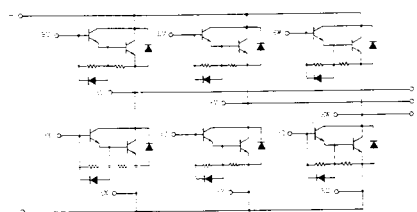


トランジスタ・モジュール (NPN, ダーリントン接続, 4個/6個内蔵)

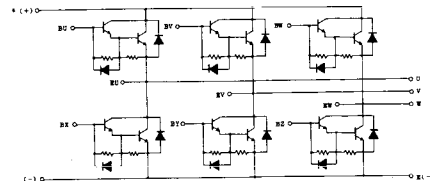
- ダーリントン・トランジスタを4個/6個内蔵
- フリーホイール・ダイオード付
- 電極と金属ケース部が絶縁されている
- ファストン端子による接続
- 直流電流増幅率は80以上(定格電流にて)

■等価回路

EL-1



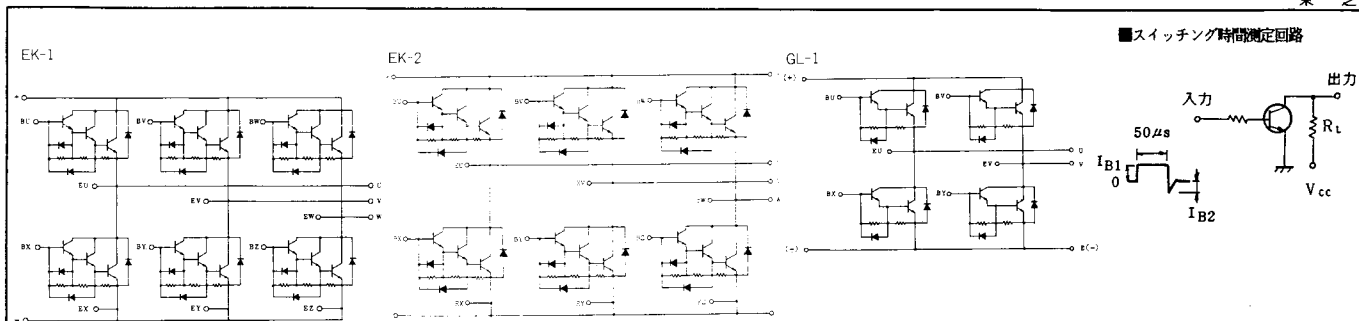
EL-2



注1.  $T_c = 25^\circ\text{C}$ .

注2. AC, 1分間。

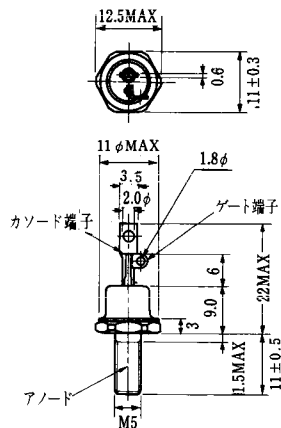
| 型 名       | 最 大 定 格<br>( $T_a=25^{\circ}\text{C}$ ) |                                              |                  |                |                          |                |                |                          |                        |                        |                        | 電 氣 的 特 性                |                          |                          |                                         |                        |                 |                |     |     |     |
|-----------|-----------------------------------------|----------------------------------------------|------------------|----------------|--------------------------|----------------|----------------|--------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------------|------------------------|-----------------|----------------|-----|-----|-----|
|           | $V_{\text{CBO}}$                        | $V_{\text{CEX(SUS)}}$<br>$V_{\text{CEO \#}}$ | $V_{\text{EBO}}$ | $I_{\text{C}}$ | $I_{\text{CP}}$<br>(1ms) | $I_{\text{B}}$ | $I_{\text{F}}$ | $I_{\text{FM}}$<br>(1ms) | $P_{\text{C}}$<br>(註1) | $T_{\text{J}}$         | $T_{\text{stg}}$       | $V_{\text{iso}}$<br>(註2) | $I_{\text{CBO}}$<br>(mA) | $I_{\text{EBO}}$<br>(mA) | $V_{\text{CE0(SUS)}}$<br>$I_{\text{C}}$ | $h_{\text{FE}}$        | $V_{\text{CE}}$ | $I_{\text{C}}$ |     |     |     |
|           | (V)                                     | (V)                                          | (V)              | (A)            | (A)                      | (A)            | (A)            | (A)                      | (W)                    | ( $^{\circ}\text{C}$ ) | ( $^{\circ}\text{C}$ ) | (V)                      | 最 大                      | $V_{\text{CB}}$<br>(V)   | 最 大                                     | $V_{\text{EB}}$<br>(V) | 最 小             | 最 小            | 最 小 | (V) | (A) |
|           |                                         |                                              |                  |                |                          |                |                |                          |                        |                        |                        |                          |                          |                          |                                         |                        |                 |                |     |     |     |
| MG15G4GL1 | 600                                     | 600                                          | 6                | 15             | 30                       | 1.5            | 15             | 30                       | 100                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 450             | 0.5            | 100 | 5   | 15  |
| MG20G4GL1 | 600                                     | 600 #                                        | 6                | 20             | 40                       | 2.0            | 20             | 40                       | 125                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 450             | 0.5            | 100 | 5   | 20  |
|           |                                         |                                              |                  |                |                          |                |                |                          |                        |                        |                        |                          |                          |                          |                                         |                        |                 |                |     |     |     |
| MG10G6EL1 | 500                                     | 500                                          | 6                | 10             | 20                       | 1.0            | 10             | 20                       | 80                     | 150                    | -40~125                | 2500                     | 1.0                      | 500                      | 100                                     | 6                      | 400             | 0.5            | 100 | 5   | 10  |
| MC10G6EL2 | 600                                     | 600                                          | 6                | 10             | 20                       | 1.0            | 10             | 20                       | 80                     | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 450             | 0.5            | 100 | 5   | 10  |
| MG10Q6EK1 | 1200                                    | 1200                                         | 7                | 10             | 20                       | 1.0            | 10             | 20                       | 100                    | 150                    | -40~125                | 2500                     | 1.0                      | 1200                     | 200                                     | 7                      | 900             | 0.5            | 100 | 5   | 10  |
| MG15G6EL1 | 600                                     | 600                                          | 6                | 15             | 30                       | 1.5            | 15             | 30                       | 100                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 450             | 0.5            | 100 | 5   | 15  |
| MG15G6EL2 | 500                                     | 500                                          | 6                | 15             | 30                       | 1.0            | 15             | 30                       | 80                     | 150                    | -40~125                | 2500                     | 1.0                      | 500                      | 100                                     | 6                      | 400             | 0.5            | 100 | 5   | 15  |
| MG15H6EL1 | 600                                     | 600                                          | 6                | 15             | 30                       | 1.5            | 15             | 30                       | 100                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 500             | 0.5            | 100 | 5   | 15  |
| MG15N6EK1 | 1100                                    | 1100                                         | 7                | 15             | 30                       | 1.5            | 15             | 30                       | 150                    | 150                    | -40~125                | 2500                     | 1.0                      | 1100                     | 200                                     | 7                      | 900             | 1.0            | 100 | 5   | 15  |
| MG20G6EL1 | 600                                     | 600                                          | 6                | 20             | 40                       | 2.0            | 20             | 40                       | 125                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 450             | 0.5            | 100 | 5   | 20  |
| MG20G6EL2 | 600                                     | 600                                          | 6                | 20             | 40                       | 2.0            | 20             | 40                       | 100                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 100                                     | 6                      | 400             | 0.5            | 100 | 5   | 20  |
| MG20Q6EK1 | 1200                                    | 1200                                         | 7                | 20             | 40                       | 2.0            | 20             | 40                       | 200                    | 150                    | -40~125                | 2500                     | 1.0                      | 1200                     | 200                                     | 7                      | 900             | 0.5            | 100 | 5   | 20  |
| MG25N6EK1 | 1100                                    | 1100                                         | 7                | 25             | 50                       | 2.5            | 25             | 50                       | 300                    | 150                    | -40~125                | 2500                     | 1.0                      | 1100                     | 200                                     | 7                      | 900             | 0.5            | 100 | 5   | 25  |
| MG30G6EL1 | 600                                     | 600                                          | 6                | 30             | 60                       | 3.0            | 30             | 60                       | 250                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 200                                     | 6                      | 450             | 0.5            | 100 | 5   | 30  |
| MG30G6EL2 | 600                                     | 600                                          | 6                | 30             | 60                       | 2.0            | 30             | 60                       | 200                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 200                                     | 6                      | 450             | 0.5            | 100 | 5   | 30  |
| MG50G6EL1 | 600                                     | 600                                          | 6                | 50             | 100                      | 5.0            | 50             | 100                      | 300                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 200                                     | 6                      | 450             | 0.5            | 100 | 5   | 50  |
| MG75G6EL1 | 600                                     | 600                                          | 6                | 75             | 150                      | 10             | 75             | 150                      | 350                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 200                                     | 6                      | 450             | 0.5            | 80  | 5   | 75  |
| MG75H6EL1 | 600                                     | 600                                          | 6                | 75             | 150                      | 10             | 75             | 150                      | 350                    | 150                    | -40~125                | 2500                     | 1.0                      | 600                      | 200                                     | 6                      | 500             | 0.5            | 80  | 5   | 75  |



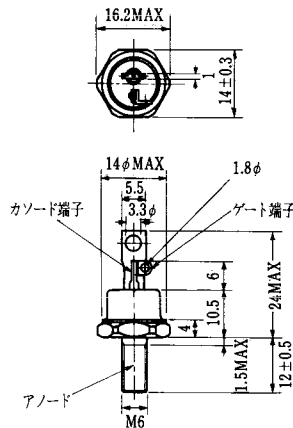
注3. スwitchング時間の \* 印はtyp.値.

| (T <sub>a</sub> = 25℃) |                 |                       |                       |                 |                  |                |                        |                        |                        |                       | エミッタ・コレクタ間ダイオード       |                         |                 |         |                 |                            | 熱抵抗   |     | 等 価 回 路 | 外形図     | 記 事      | 型 名        |
|------------------------|-----------------|-----------------------|-----------------------|-----------------|------------------|----------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------|---------|-----------------|----------------------------|-------|-----|---------|---------|----------|------------|
| 飽和電圧 (V)               |                 | I <sub>c</sub><br>(A) | I <sub>B</sub><br>(A) | スイッチング時間 (μs)   |                  |                | I <sub>B1</sub><br>(A) | I <sub>B2</sub><br>(A) | V <sub>CC</sub><br>(V) | R <sub>L</sub><br>(Ω) | V <sub>F</sub><br>(V) | t <sub>rr</sub><br>(μs) |                 |         | di/dt<br>(A/μs) | R <sub>th(j-c)</sub> (℃/W) |       |     |         |         |          |            |
| V <sub>CE</sub>        | V <sub>BE</sub> |                       |                       | t <sub>on</sub> | t <sub>stg</sub> | t <sub>f</sub> |                        |                        |                        |                       |                       | I <sub>F</sub>          | V <sub>BE</sub> | トランジスタ部 |                 | ダイオード部                     |       |     |         |         |          |            |
| 最大                     | 最大              |                       |                       | 最大              | 最大               | 最大             |                        |                        |                        |                       |                       | (A)                     | (A)             | (V)     |                 | (Ω)                        | 最大    | (A) |         |         |          |            |
| 2.0                    | 2.5             | 15                    | 0.4                   | 1               | 12               | 2              | 0.4                    | -0.4                   | 300                    | 20                    | 1.6                   | 15                      | 0.7             | 15      | -2              | 60                         | 1.25  |     | GL-1    | 2-48A3A | 単相ブリッジ接続 | MG15G4GL1  |
| 2.0                    | 2.5             | 20                    | 0.5                   | 1               | 12               | 2              | 0.5                    | -0.5                   | 300                    | 15                    | 1.6                   | 20                      | 0.7             | 20      | -2              | 60                         | 1.0   |     | GL-1    | 2-48A3A | 単相ブリッジ接続 | MG20G4GL1  |
|                        |                 |                       |                       |                 |                  |                |                        |                        |                        |                       |                       |                         |                 |         |                 |                            |       |     |         |         |          |            |
|                        |                 |                       |                       |                 |                  |                |                        |                        |                        |                       |                       |                         |                 |         |                 |                            |       |     |         |         |          |            |
| 2.0                    | 2.5             | 10                    | 0.25                  | 1               | 12               | 2              | 0.25                   | 0.25                   | 300                    | 30                    | 1.6                   | 10                      | 0.7             | 10      | -2              | 60                         | 1.56  |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG10G6EL1  |
| 2.0                    | 2.5             | 10                    | 0.3                   | 1               | 12               | 2              | 0.3                    | -0.3                   | 300                    | 30                    | 1.6                   | 10                      | 0.7             | 10      | -2              | 60                         | 1.56  |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG10G6EL2  |
| 2.5                    | 3.5             | 10                    | 0.2                   | 2               | 14               | 6              | 0.2                    | -0.6                   | 600                    | 60                    | 1.8                   | 10                      | 2.0             | 10      | -3              | 60                         | 1.25  | 3.6 | EK-1    | 2-72A3A | 三相ブリッジ接続 | MG10G6EK1  |
| 2.0                    | 2.5             | 15                    | 0.4                   | 1               | 12               | 2              | 0.4                    | -0.4                   | 300                    | 20                    | 1.6                   | 15                      | 0.7             | 15      | -2              | 60                         | 1.25  |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG15G6EL1  |
| 2.0                    | 2.5             | 15                    | 0.4                   | 1               | 10               | 3              | 0.4                    | -0.4                   | 300                    | 20                    | 1.7                   | 15                      | 0.7             | 15      | -2              | 60                         | 1.56  |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG15G6EL2  |
| 2.0                    | 2.5             | 15                    | 0.4                   | 1               | 12               | 2              | 0.4                    | -0.4                   | 300                    | 20                    | 1.7                   | 15                      | 0.7             | 15      | -2              | 60                         | 1.25  | 2.8 | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG15SH6EL1 |
| 2.5                    | 3.5             | 15                    | 0.3                   | 2               | 11               | 6              | 0.3                    | -0.9                   | 600                    | 40                    | 1.5                   | 15                      | 1.0             | 15      | -3              | 60                         | 0.83  | 1.3 | EK-2    | 2-94B1A | 三相ブリッジ接続 | MG15N6EX1  |
| 2.0                    | 2.5             | 20                    | 0.5                   | 1               | 12               | 2              | 0.5                    | -0.5                   | 300                    | 15                    | 1.6                   | 20                      | 0.7             | 20      | -2              | 60                         | 1.0   |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG20G6EL1  |
| 2.0                    | 2.5             | 20                    | 0.5                   | 1               | 10               | 3              | 0.5                    | -0.5                   | 300                    | 15                    | 1.7                   | 20                      | 0.7             | 20      | -2              | 60                         | 1.25  |     | EL-2    | 2-64A2A | 三相ブリッジ接続 | MG20G6EL2  |
| 2.5                    | 3.5             | 20                    | 0.4                   | 2               | 14               | 6              | 0.4                    | -1.2                   | 600                    | 30                    | 1.8                   | 20                      | 2.0             | 20      | -3              | 60                         | 0.625 | 1.8 | EK-1    | 2-72A3A | 三相ブリッジ接続 | MG20G6EK1  |
| 2.5                    | 3.5             | 25                    | 0.5                   | 2               | 14               | 6              | 0.5                    | -1.5                   | 600                    | 24                    | 1.7                   | 25                      | 1.0             | 25      | -3              | 100                        | 0.41  | 1.3 | EK-2    | 2-94B1A | 三相ブリッジ接続 | MG25N6EX1  |
| 2.0                    | 2.5             | 30                    | 0.6                   | 1               | 12               | 2              | 0.6                    | -0.6                   | 300                    | 10                    | 1.5                   | 30                      | 1.0             | 30      | -3              | 100                        | 0.5   | 1.8 | EL-2    | 2-94A2A | 三相ブリッジ接続 | MG30G6EL1  |
| 2.0                    | 2.5             | 30                    | 0.6                   | 1               | 12               | 3              | 0.6                    | -0.6                   | 300                    | 10                    | 1.6                   | 30                      | 0.7             | 30      | -2              | 60                         | 0.625 | 1.8 | EL-1    | 2-27A4A | 三相ブリッジ接続 | MG30G6EL2  |
| 2.0                    | 2.5             | 50                    | 1.0                   | 1               | 12               | 2              | 1.0                    | -1.0                   | 300                    | 6                     | 1.5                   | 50                      | 1.0             | 50      | -3              | 100                        | 0.41  | 1.3 | EL-2    | 2-94A2A | 三相ブリッジ接続 | MG50G6EL1  |
| 2.0                    | 2.5             | 75                    | 2.0                   | 2               | 12               | 3              | 2.0                    | -2.0                   | 300                    | 4                     | 1.7                   | 75                      | 1.0             | 75      | -3              | 100                        | 0.36  | 1.3 | EL-2    | 2-94A2A | 三相ブリッジ接続 | MG75G6EL1  |
| 2.0                    | 2.5             | 75                    | 2.0                   | 2               | 12               | 4              | 2.0                    | -3.0                   | 300                    | 4                     | 1.7                   | 75                      | 1.0             | 75      | -3              | 100                        | 0.36  | 1.3 | EL-2    | 2-94A2A | 三相ブリッジ接続 | MG75SH6EL1 |

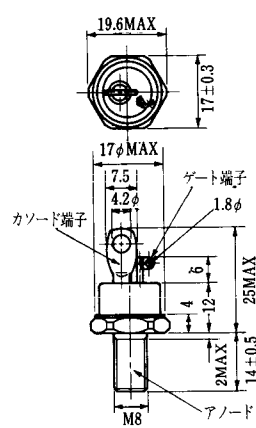
FD-1



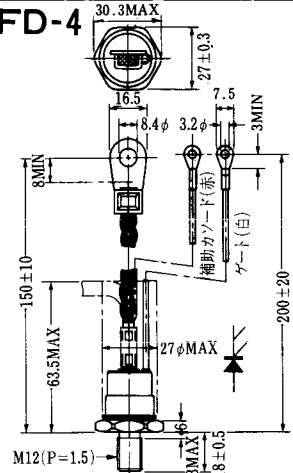
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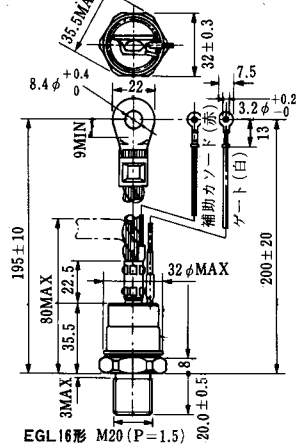
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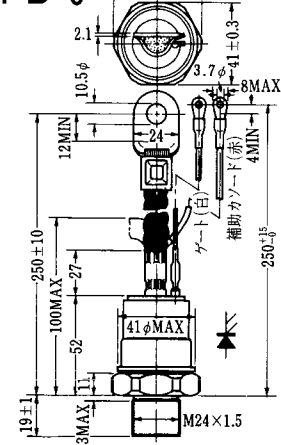
FD-4



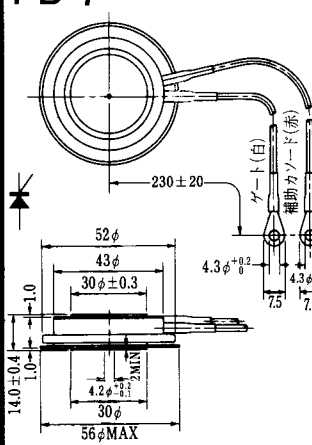
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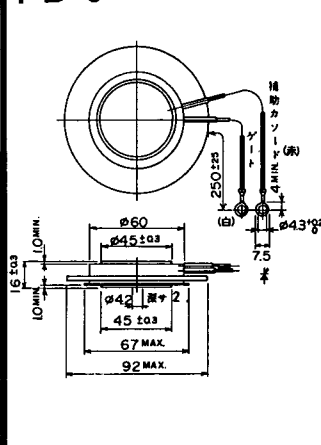
FD-6



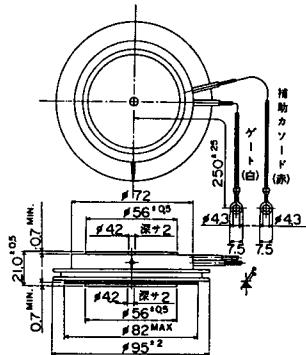
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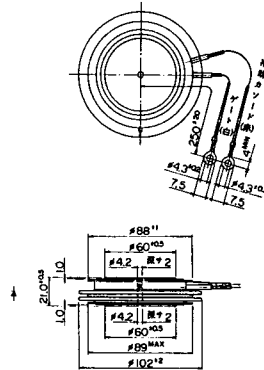
FD-8



FD-9

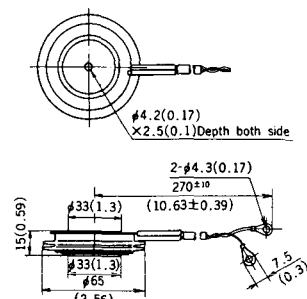
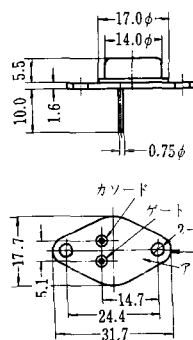
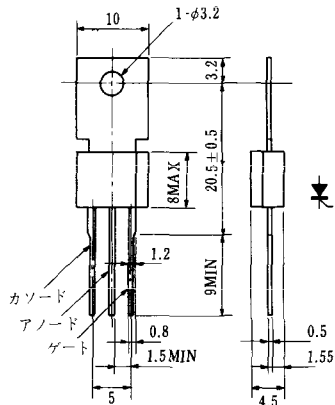


FD-10

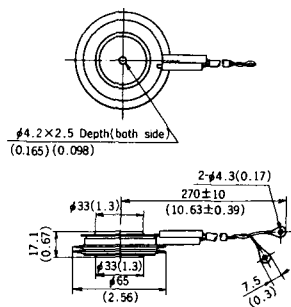


FD-11

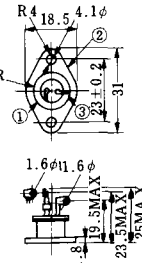
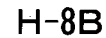
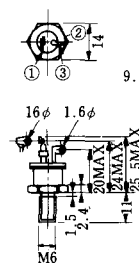
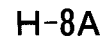
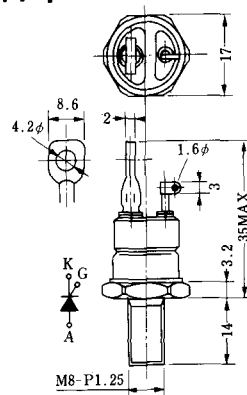
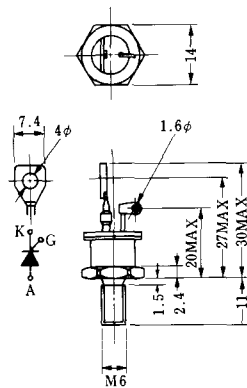
FD-12



Unit in mm(inch)



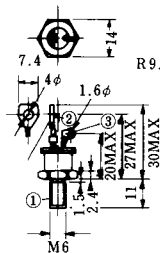
Unit in mm(inch)



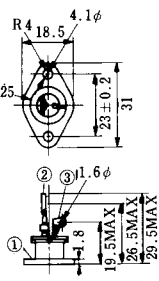
K  
C  
A

- ①アノード
- ②カソード
- ③ゲート

# H-9A

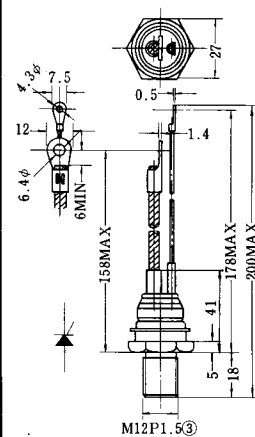


# H-9B

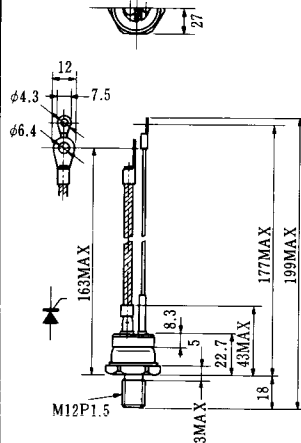


- ① アノード
- ② カソード
- ③ ゲート

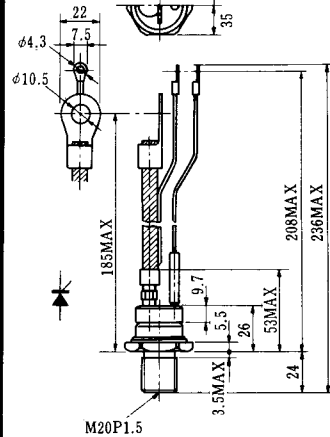
# H-10



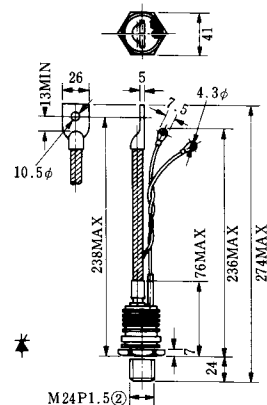
# H-11



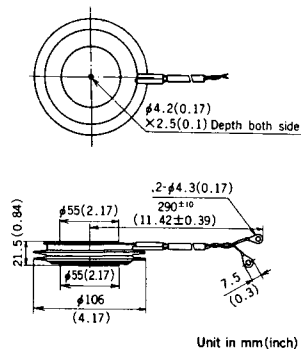
# H-12



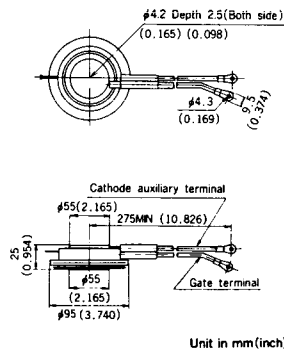
# H-13



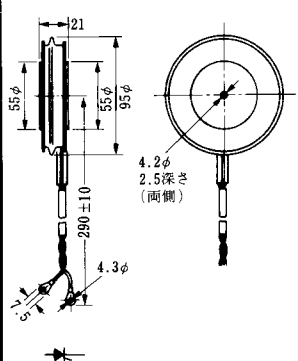
# H-14



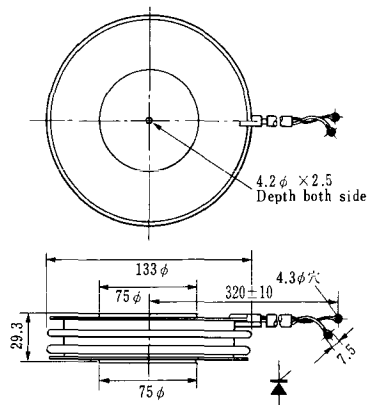
# H-15



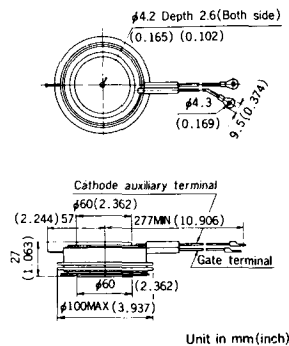
# H-16



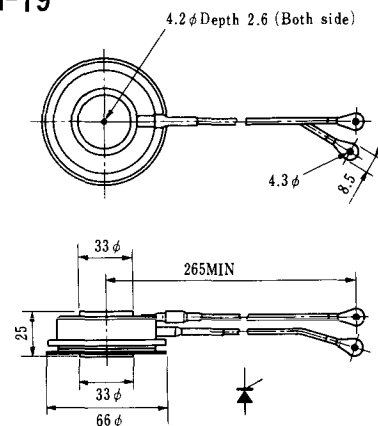
# H-17



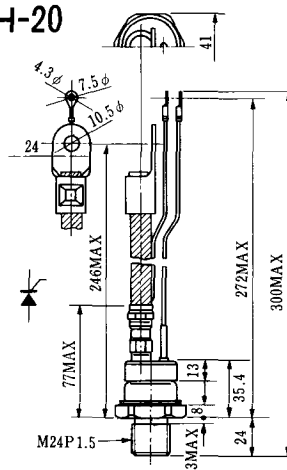
# H-18



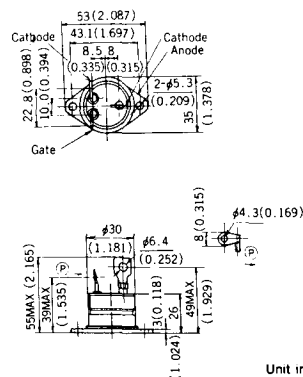
# H-19



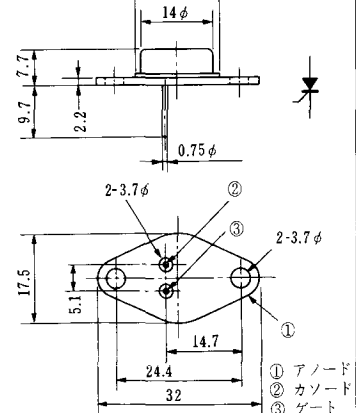
# H-20



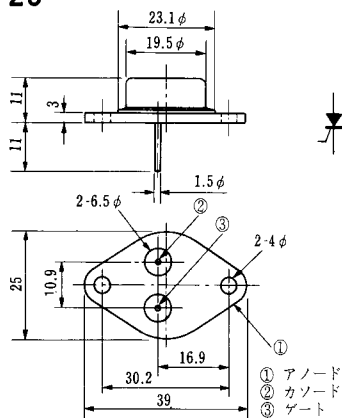
# H-21



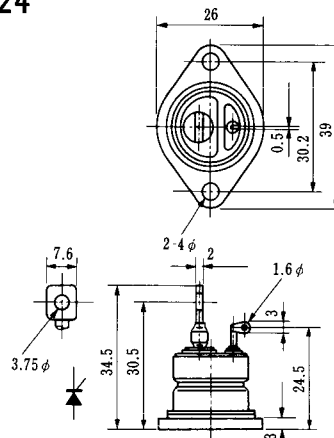
# H-22



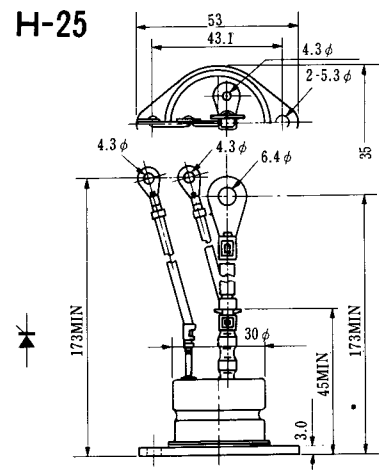
# H-23



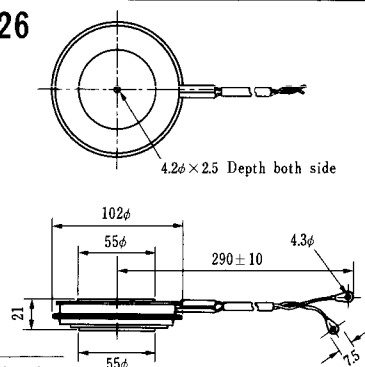
# H-24



# H-25

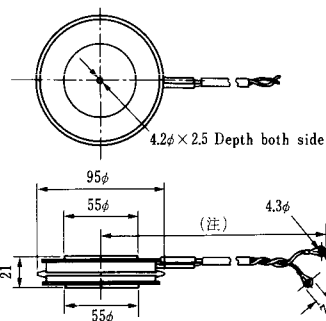


# H-26



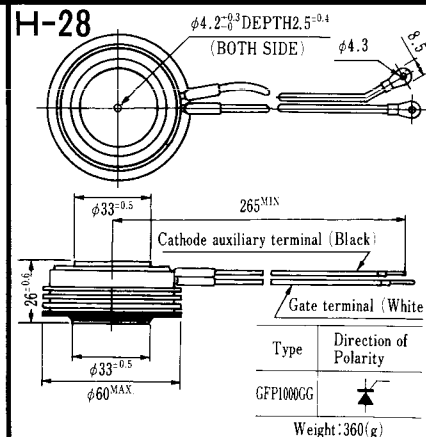
| Type | Direction of polarity |
|------|-----------------------|
| CA12 |                       |

# H-27



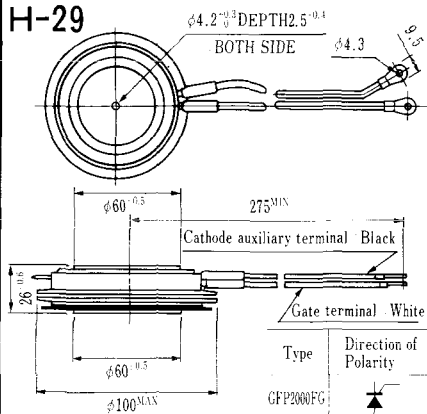
| Type  | Direction of polarity |
|-------|-----------------------|
| CF11V |                       |

# H-28



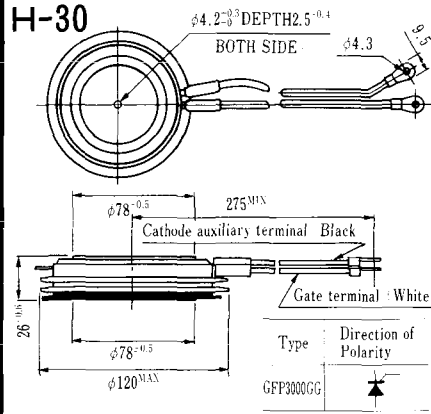
Note: The thickness is a dimension in press at the rated mounting force.

H-29



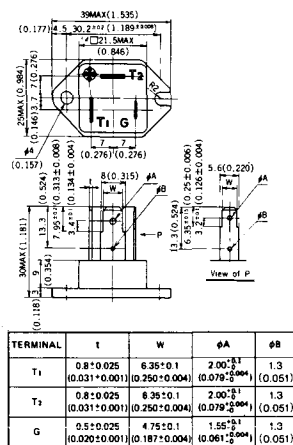
Note : The thickness is a dimension in press at the rated mounting force. Weight: 870(g)

H-30



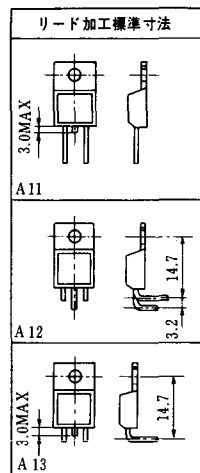
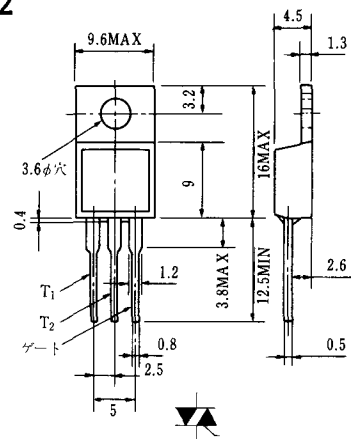
Note : The thickness is a dimension in press at the rated mounting force. Weight: 1,460(g)

# HT-1

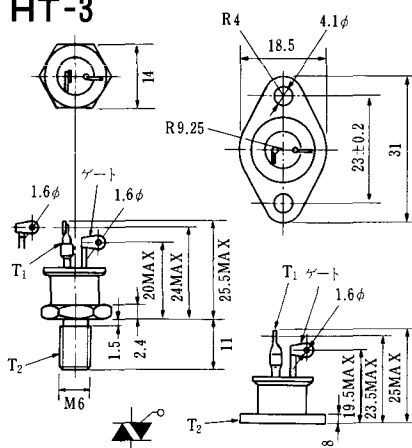


Unit in mm (inch)

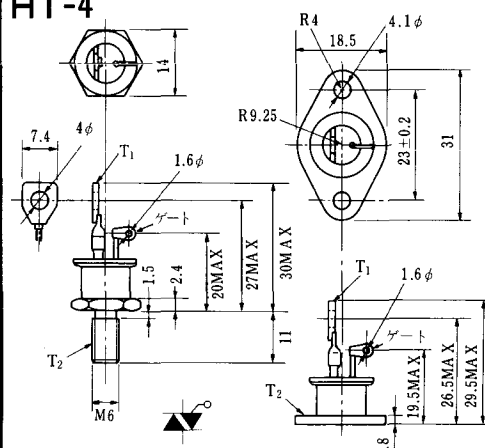
# HT-2



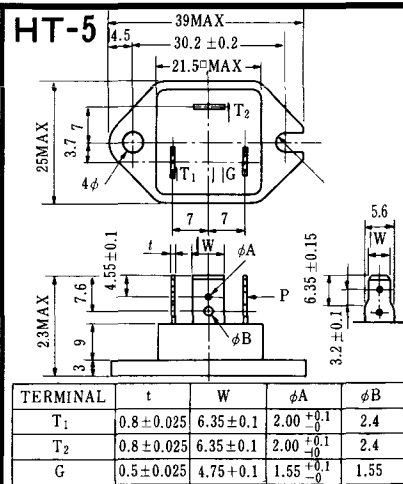
# HT-3



# HT-4

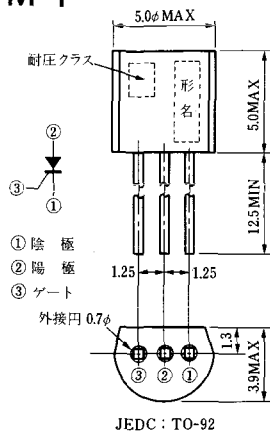


# HT-5

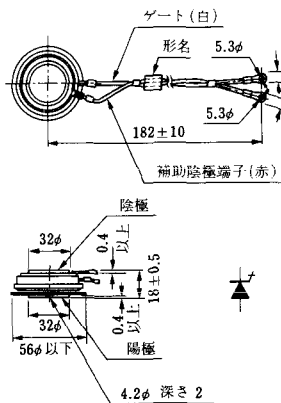


《寸法図単位：mm》

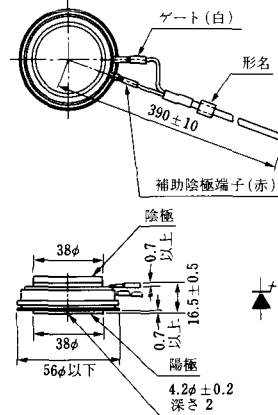
M-1



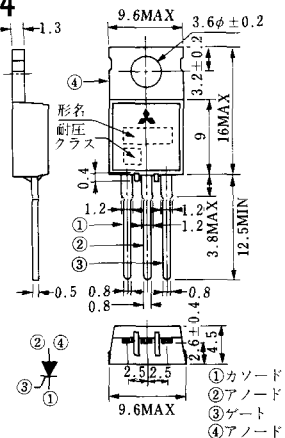
M-2



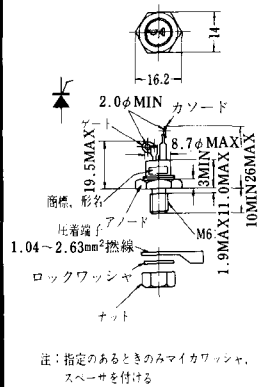
M-3



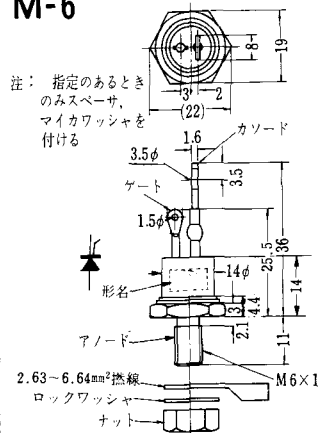
M-4



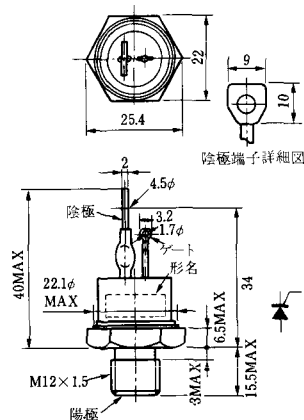
M-5



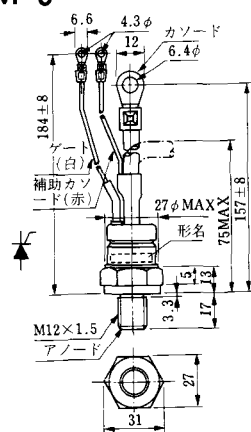
M-6



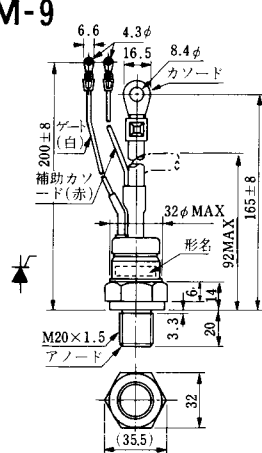
M-7



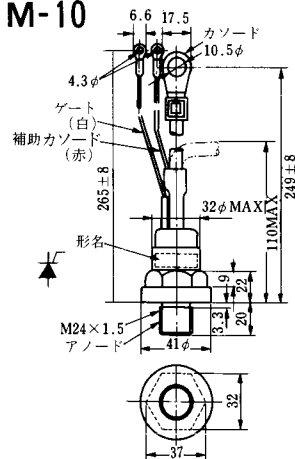
M-8



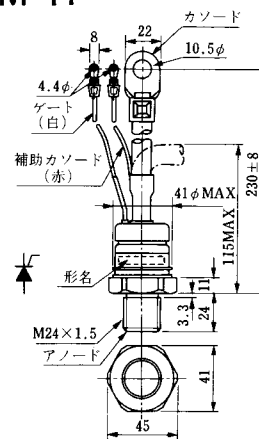
M-9



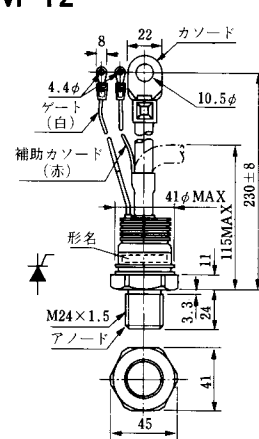
M-10



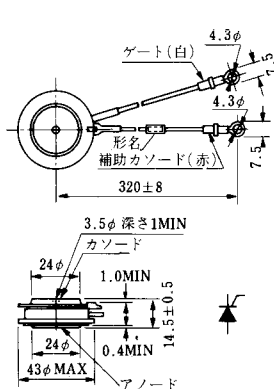
M-11



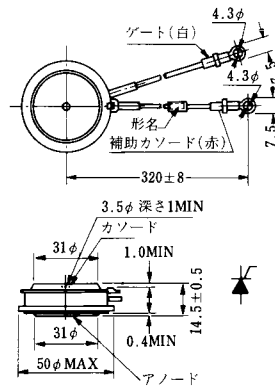
M-12



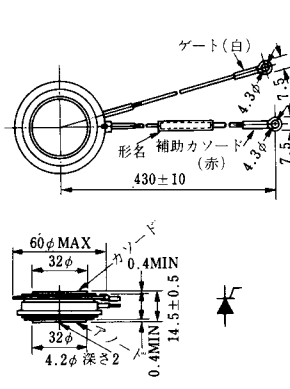
M-13



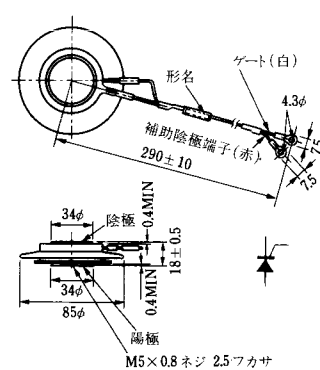
M-14



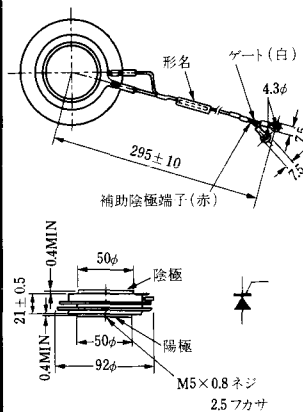
M-15



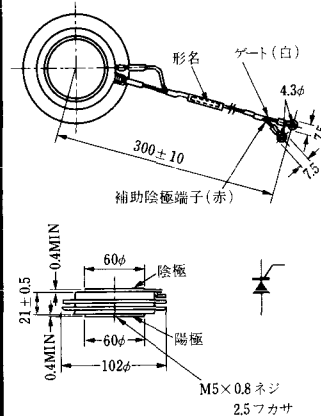
M-16



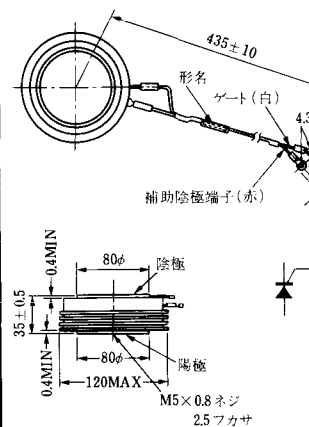
M-17



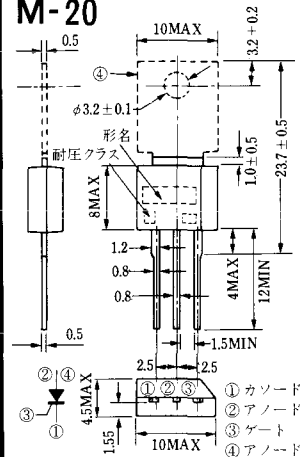
M-18



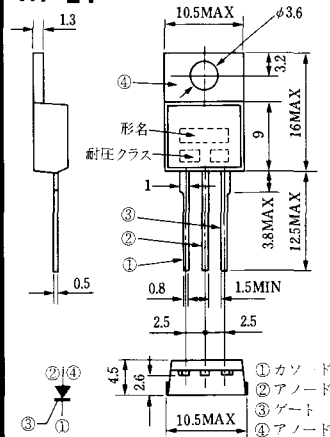
M-19



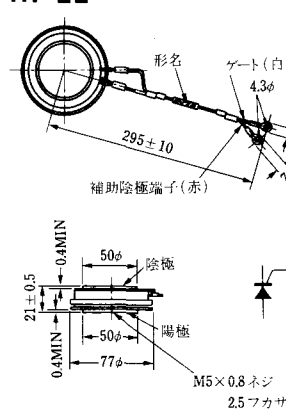
M-20



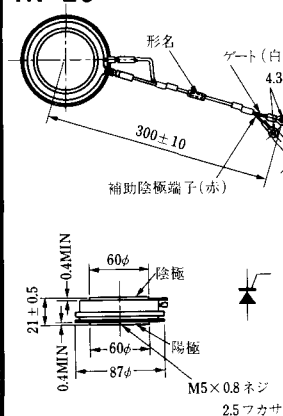
M-21



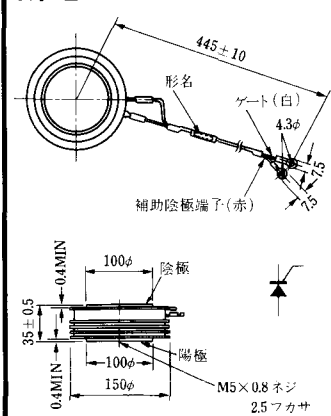
M-22



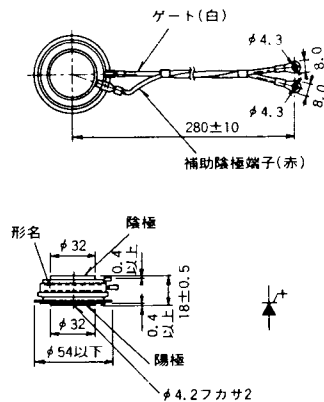
M-23



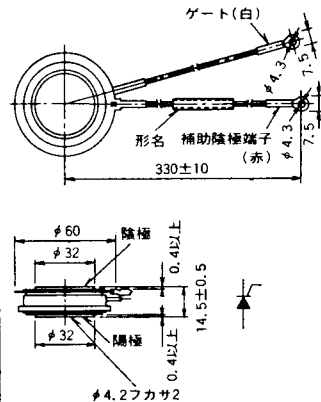
M-24



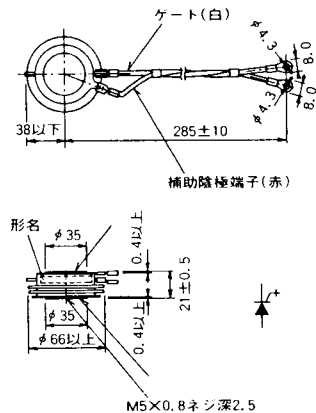
M-25



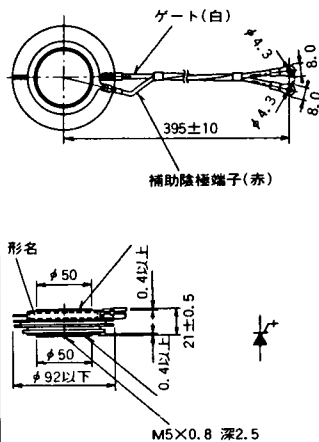
M-26



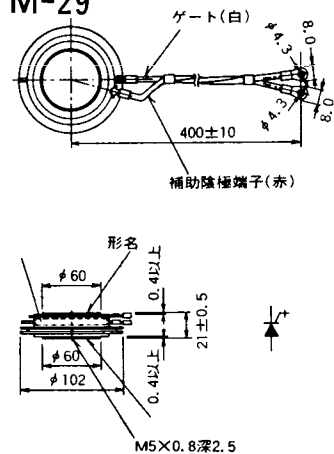
M-27



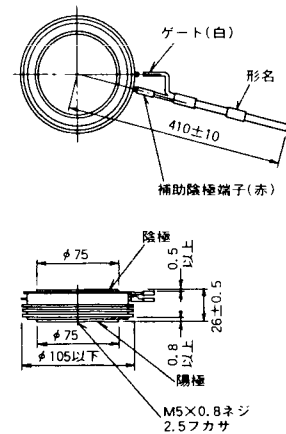
M-28



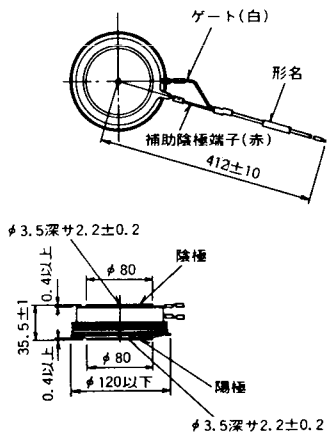
M-29



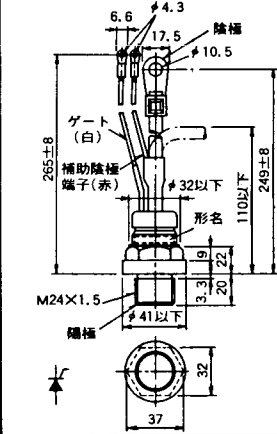
M-30



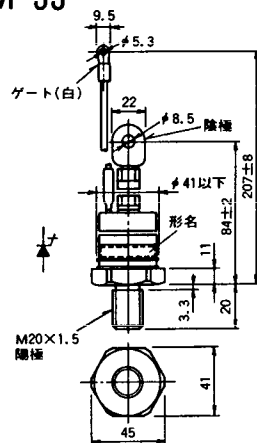
M-31



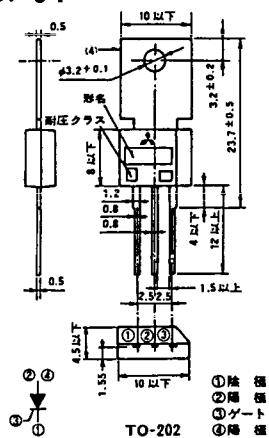
M-32



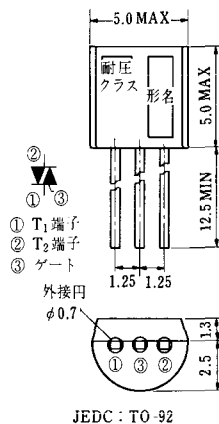
M-33



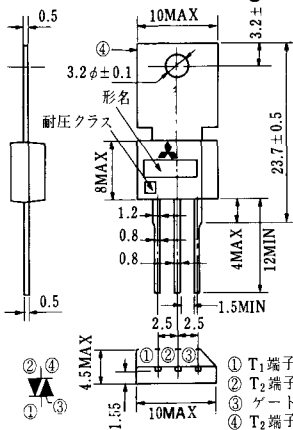
M-34



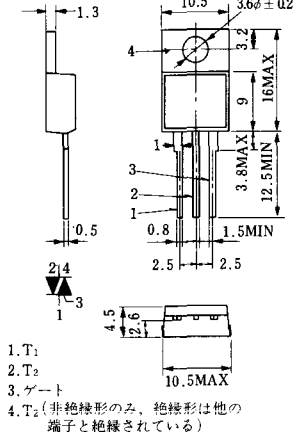
# MT-1



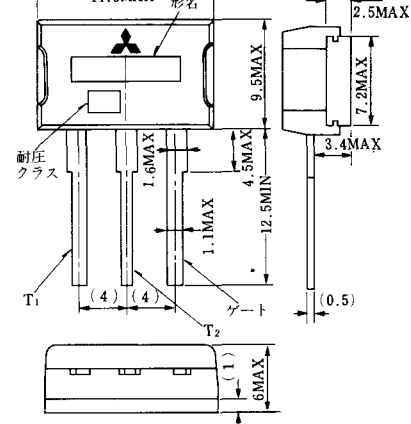
# MT-2



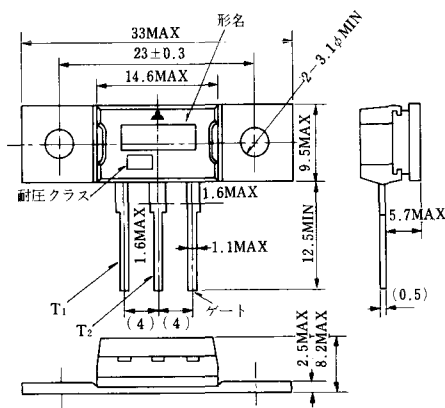
# MT-3



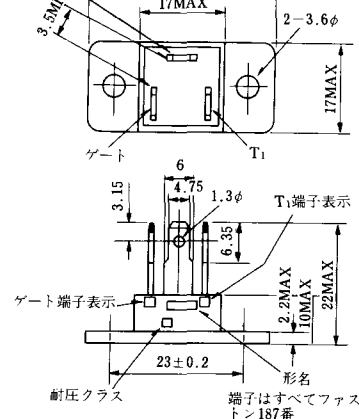
# MT-4



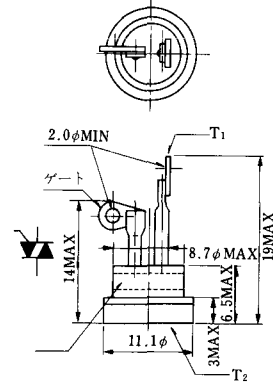
# MT-5



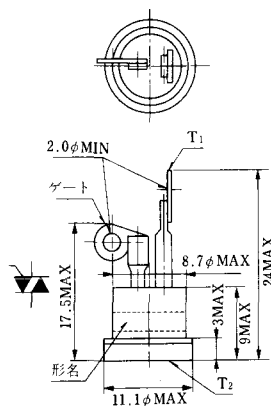
# MT-6



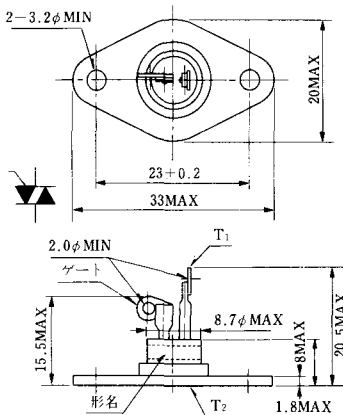
# MT-7



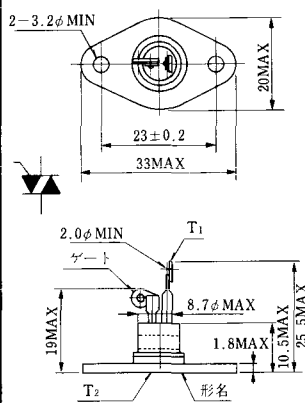
MT-8



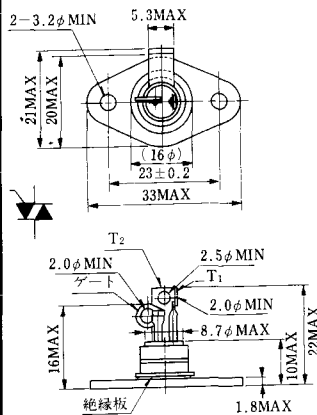
MT-9



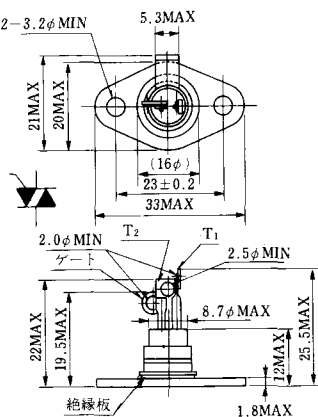
MT-10



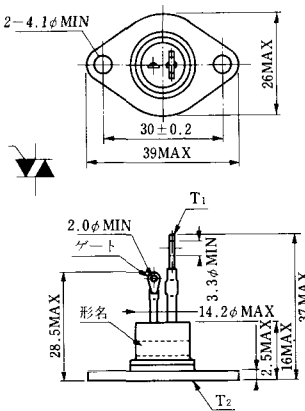
MT-11



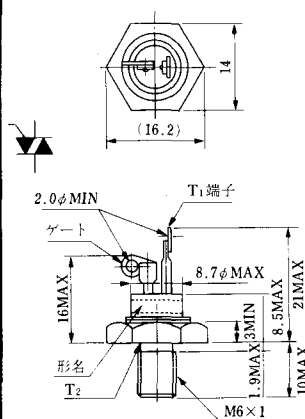
MT-12



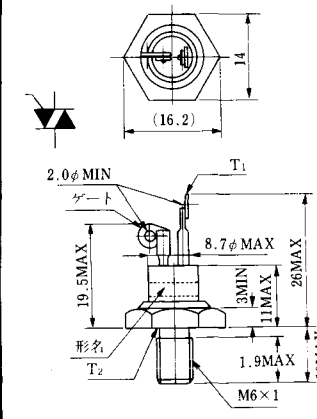
MT-13



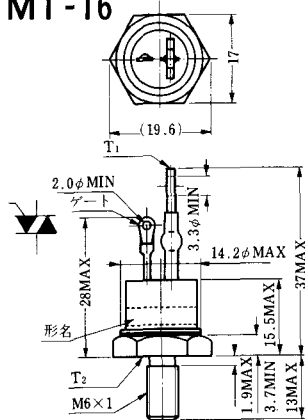
MT-14



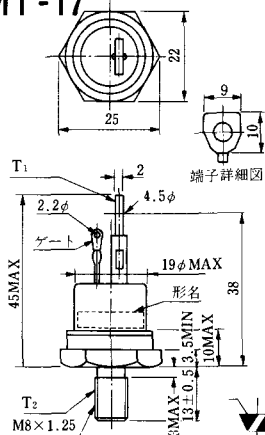
MT-15



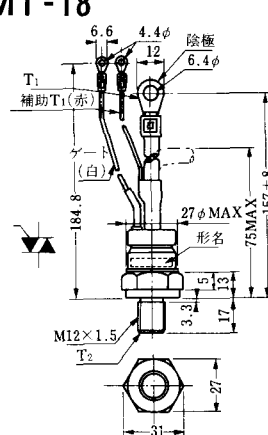
MT-16



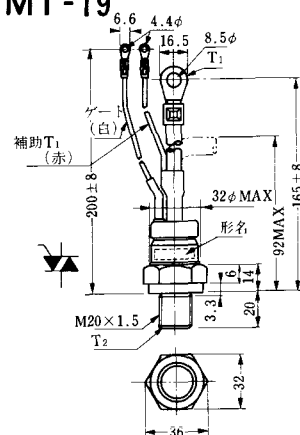
MT-17



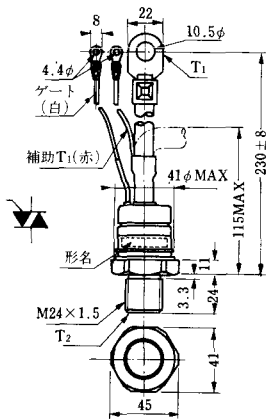
MT-18



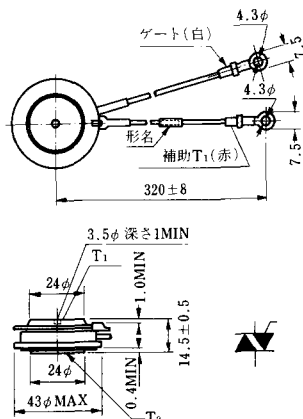
MT-19



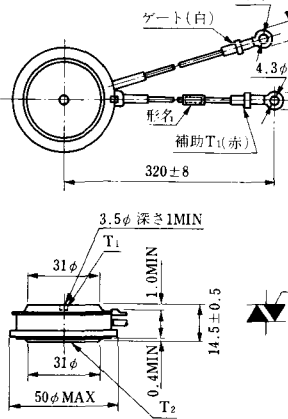
MT-20



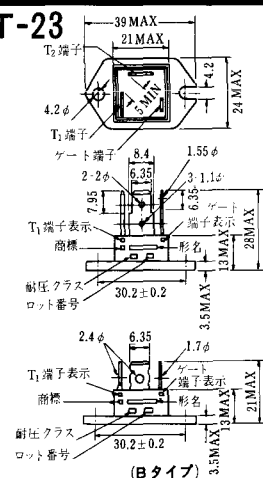
MT-21



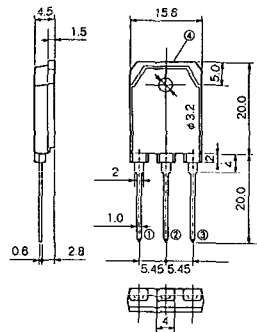
MT-22



MT-23



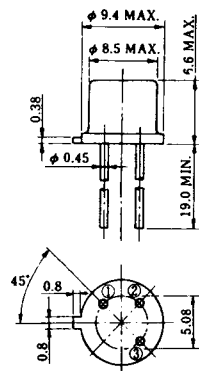
# MT-24



TO - 3P

- ① T1 端子
- ② T2 端子
- ③ ゲート 端子
- ④ T2 端子

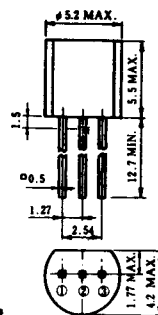
N-1



電極接続

- ① カソード
- ② ゲート
- ③ アノード

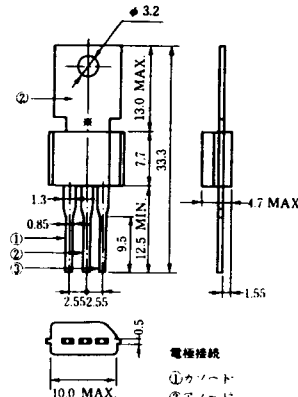
N-2



電極接続

- ① ヤート
- ② アノード
- ③ カソード

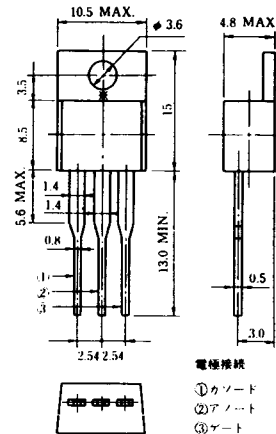
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

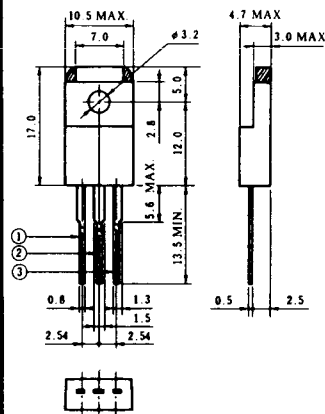
N-4



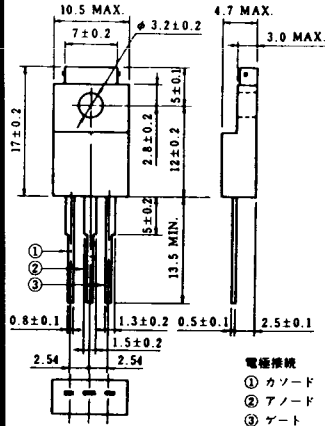
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



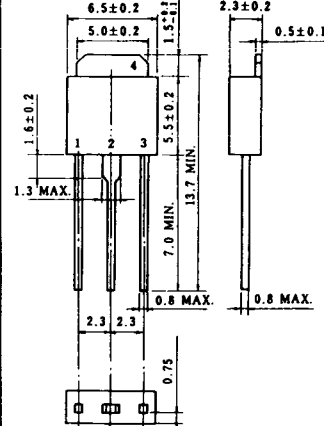
N-6



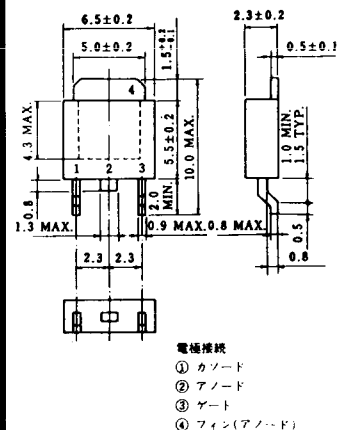
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-7



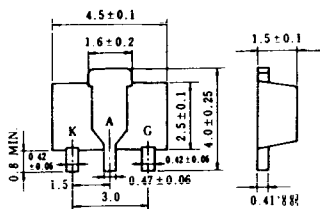
N-8



電極接続

- ① カソード
- ② アノード
- ③ ゲート
- ④ フィン(アノード)

N-9



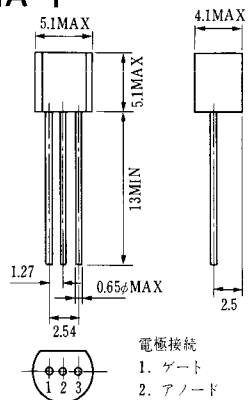
電極接続

K : カソード

A : アノード

G : ゲート

# NA-1

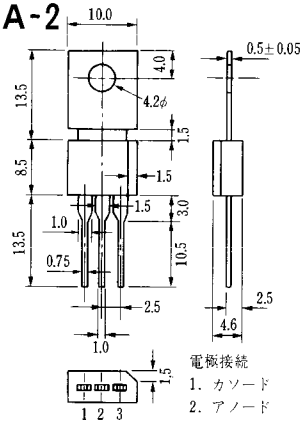


電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

# NA-2

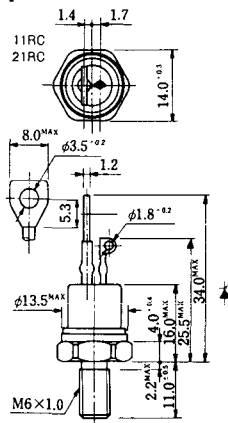


電極接続

1. カソード
2. アノード
3. ゲート

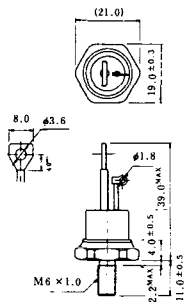
JEDEC: TO-202AA

## NI-1



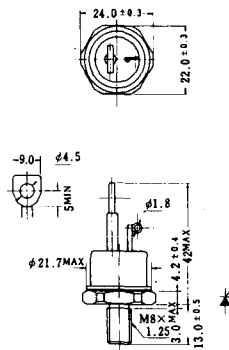
## NI-2

29RD



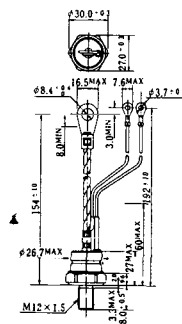
## NI-3

39RC  
59RC  
39RF  
59RF



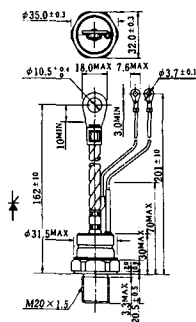
## NI-4

68RP, 88RP, 108RP, 68RS,  
88RS, 78RT, 88RLD, 88RLE,  
88RLF, 88RLG, 88RLH, 108RLE



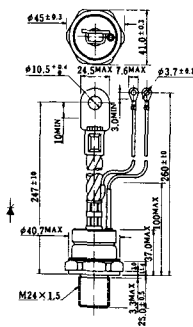
## NI-5

158RP, 208RP, 128RS, 178RS,  
158RT, 178RLD, 178RLE,  
178RLF, 178RLG, 178RLH,  
208RLE



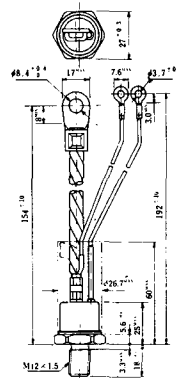
## NI-6

308AP, 408AP, 508AP, 278RS,  
358RS, 258RT, 258RLD, 258RLQ,  
258RLH, 308RLE, 308RLF,  
358RLE



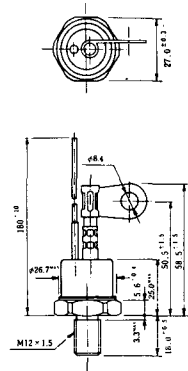
## NI-7

89RW<sup>r</sup><sub>J</sub>L  
129RW<sup>r</sup><sub>J</sub>L



## NI-8

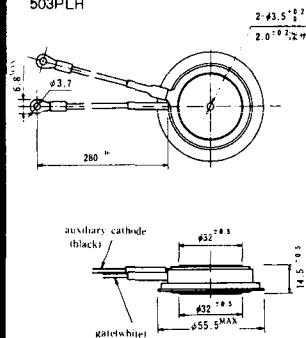
89RW  
129RW





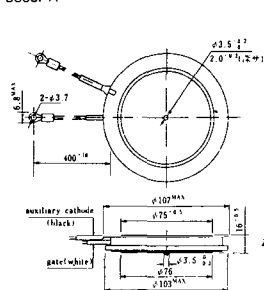
# NI-16

503PLF  
503PLH



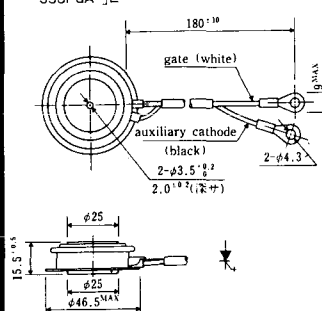
# NI-17

3003PA



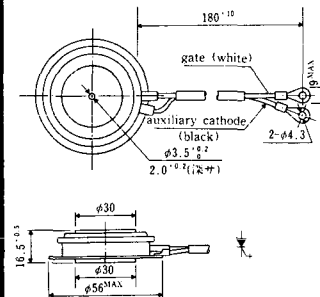
# NI-18

353PGA「E



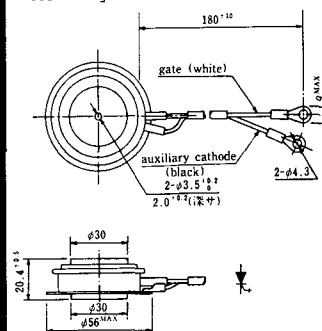
# NI-19

603PGA, 603PGA「A, 803PGA



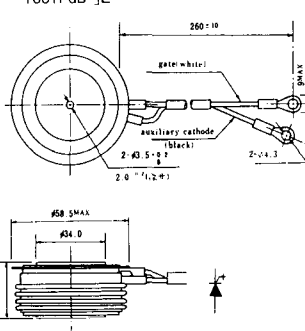
# NI-20

603PGA「E



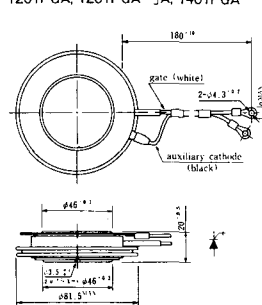
# NI-21

1001PGB「E



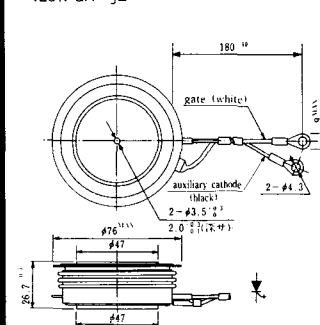
# NI-22

1201PGA, 1201PGA「A, 1401PGA



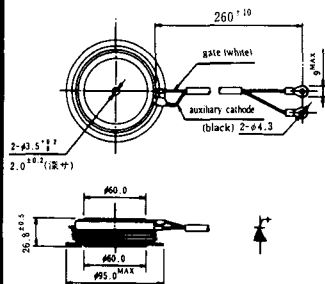
# NI-23

1201PGA「E



NI-24

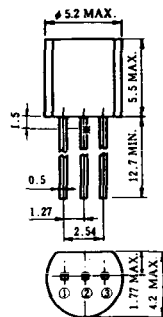
2001PGB<sup>r</sup> JE



NI-25

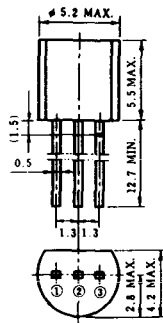
NI-26

# NT-1



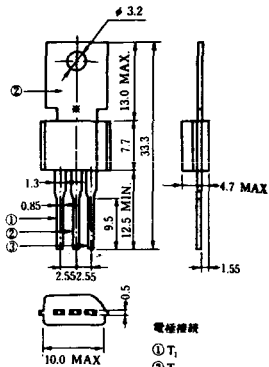
電線接続  
① T<sub>1</sub>  
② ゲート  
③ T<sub>2</sub>

# NT-2



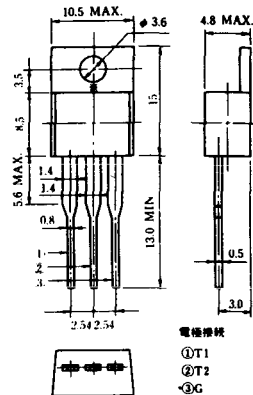
電線接続  
① T<sub>1</sub>  
② ゲート  
③ T<sub>2</sub>

# NT-3



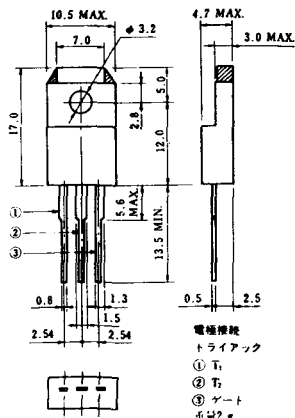
電線接続  
① T<sub>1</sub>  
② T<sub>2</sub>  
③ ゲート

# NT-4



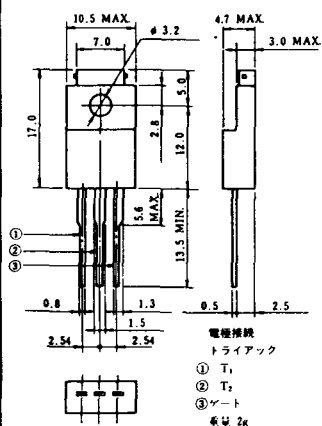
電線接続  
① T<sub>1</sub>  
② T<sub>2</sub>  
③ G

# NT-5



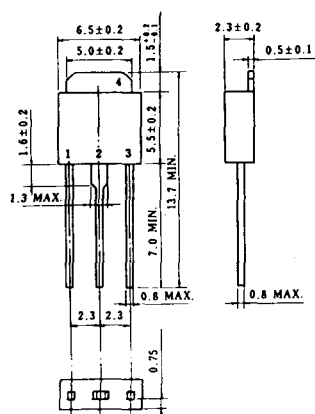
電線接続  
トライアック  
① T<sub>1</sub>  
② T<sub>2</sub>  
③ ゲート  
④ 2K

# NT-6

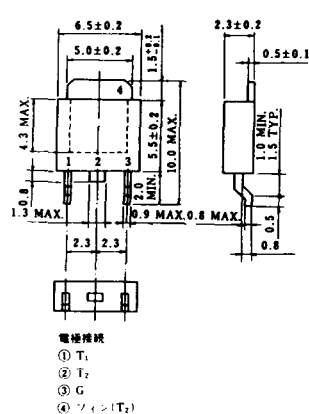


電線接続  
トライアック  
① T<sub>1</sub>  
② T<sub>2</sub>  
③ ゲート  
④ 2K

# NT-7

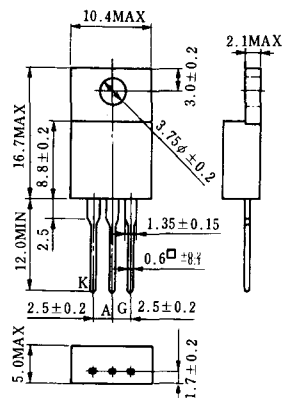


# NT-8

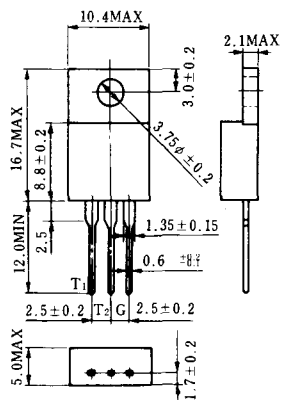


電線接続  
① T<sub>1</sub>  
② T<sub>2</sub>  
③ G  
④ ツイン(T<sub>2</sub>)

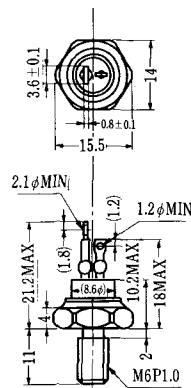
S-1



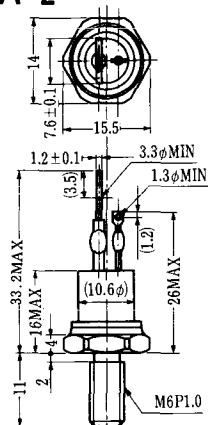
ST-1



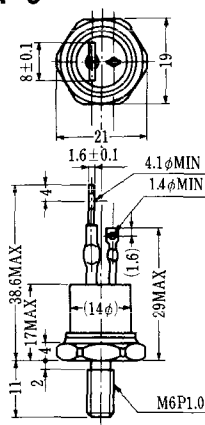
SA-1



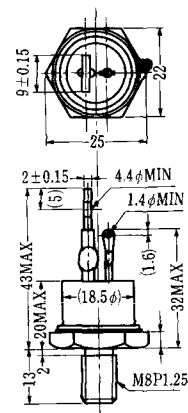
SA-2



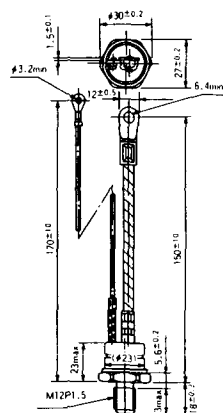
SA-3



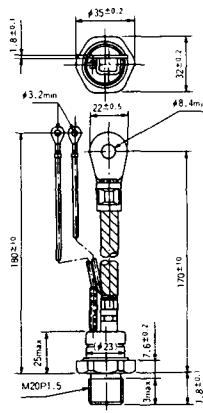
SA-4



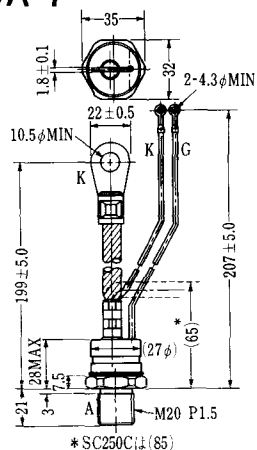
SA-5



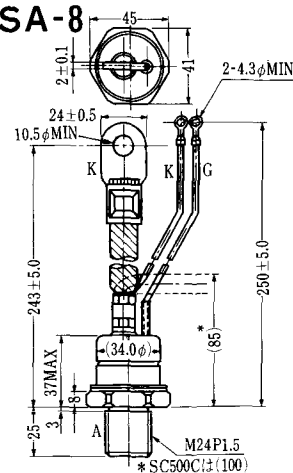
SA-6



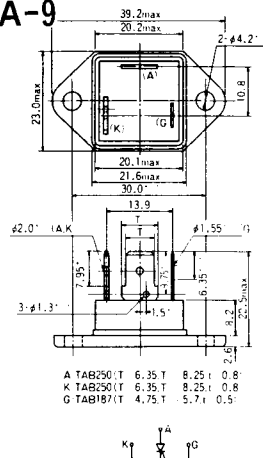
SA-7



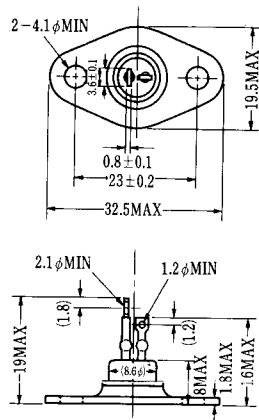
SA-8



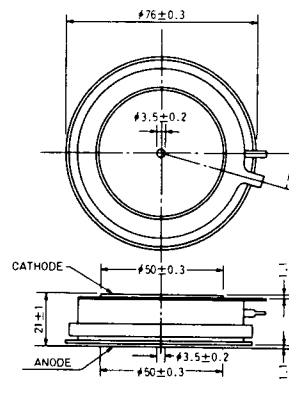
SA-9



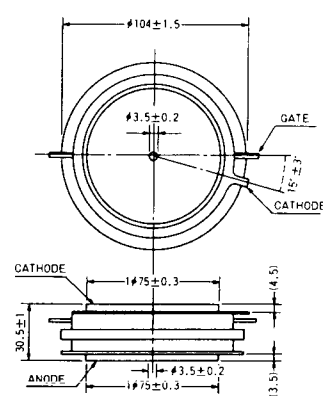
SA-10



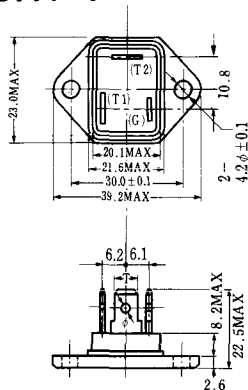
SA-11



SA-12

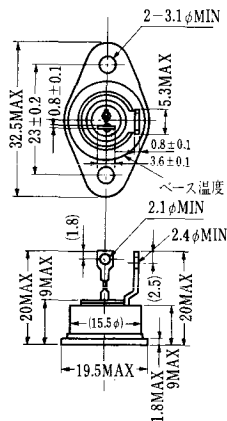


# SAT-1

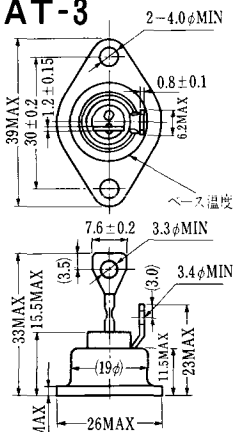


T1端子:ファストン250( $T=6.35$ ,  $t=0.8$ ,  $\phi=1.65$ )  
T2端子:ファストン250( $T=6.35$ ,  $t=0.8$ ,  $\phi=1.65$ )  
G端子:ファストン187( $T=4.75$ ,  $t=0.5$ ,  $\phi=1.3$ )

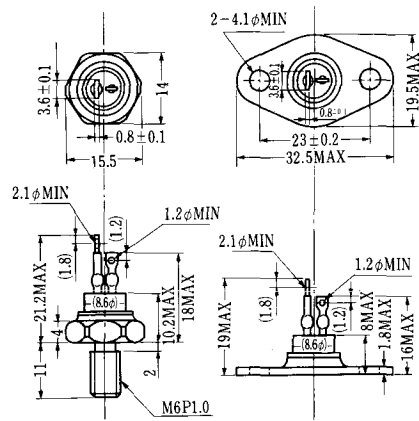
**SAT-2**



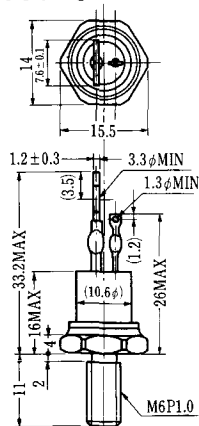
**SAT-3**



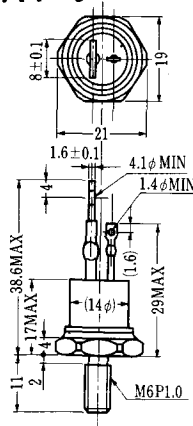
**SAT-4**



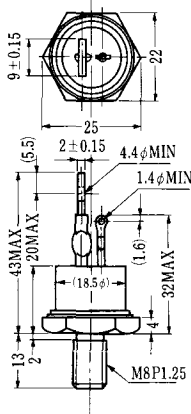
**SAT-5**



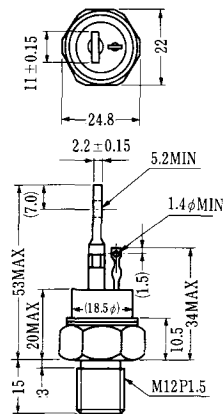
SAT-6



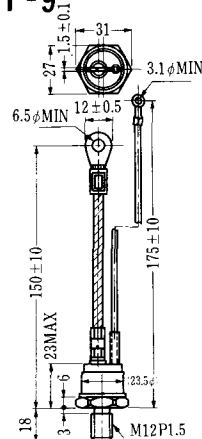
SAT-7



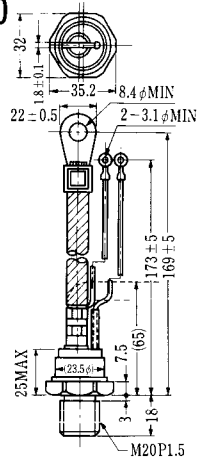
SAT-8



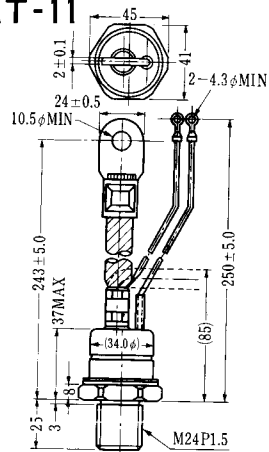
SAT-9.



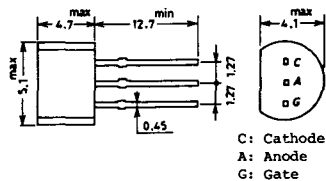
**SAT-10**



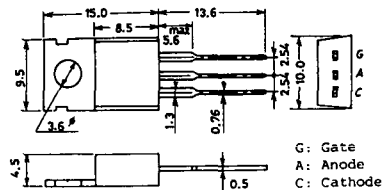
**SAT-11**



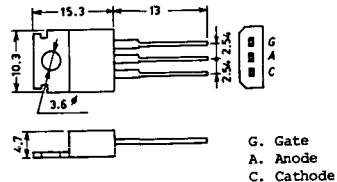
**SY-1**(1096A)



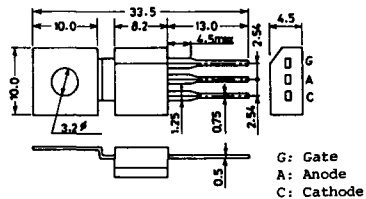
**SY-2**(1151)



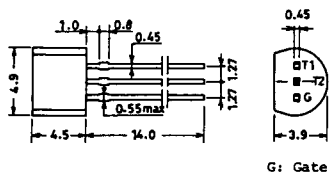
**SY-3**(1104)



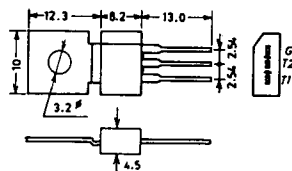
**SY-4**(1150)



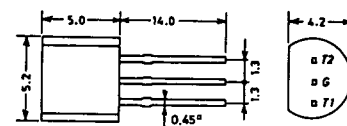
1097A



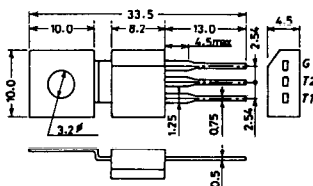
1102



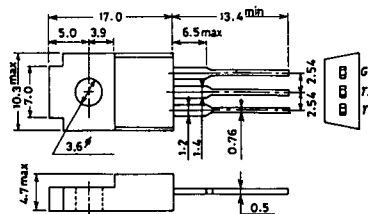
1141



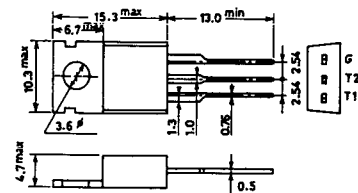
1142



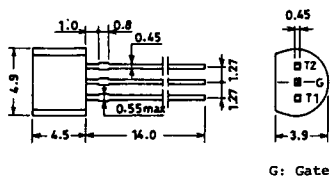
1144



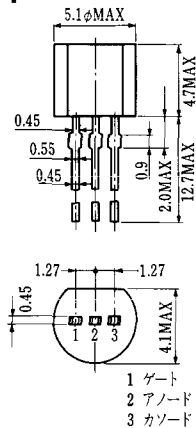
1155



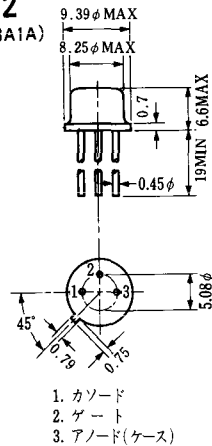
1192A



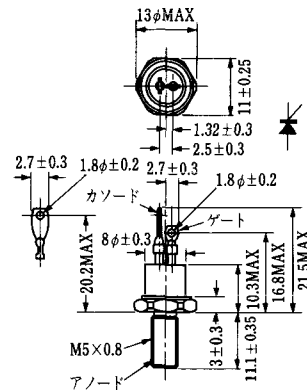
**T-1 (13-5A1A)**



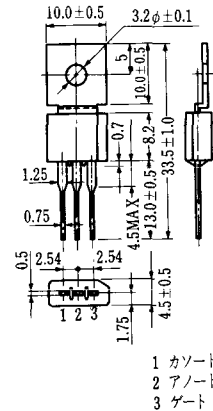
**T-2 (13-8A1A)**



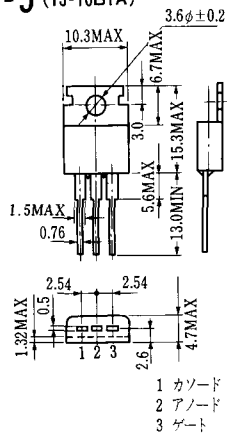
**T-3 (13-8C1A)**



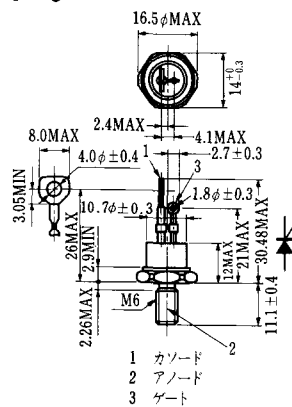
**T-4 (13-10A1A)**



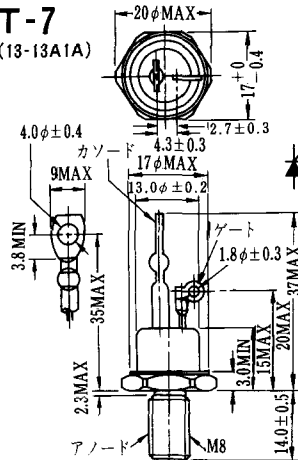
**T-5 (13-10B1A)**



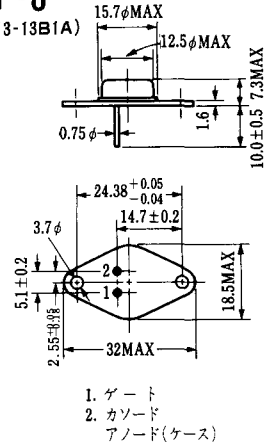
**T-6 (13-11D1A)**



**T-7 (13-13A1A)**

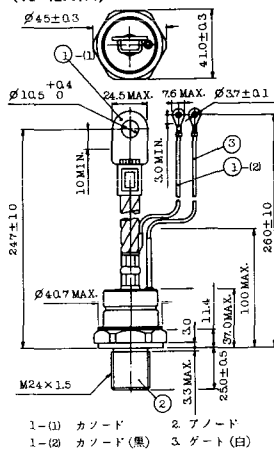


**T-8 (13-13B1A)**

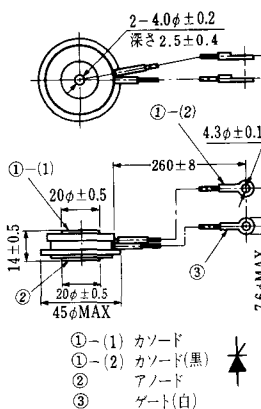




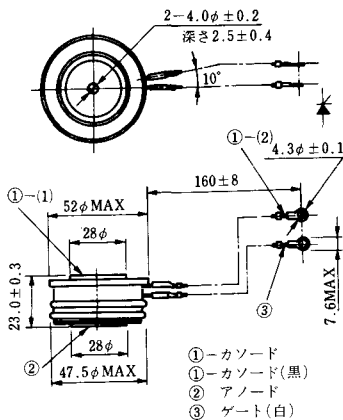
**T-17 (13-42A1A)**



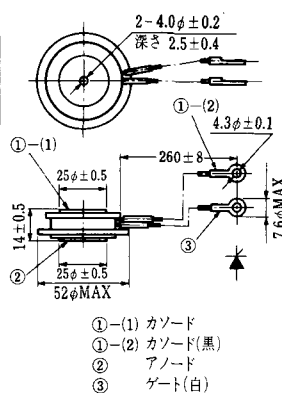
**T-18 (13-45D1A)**



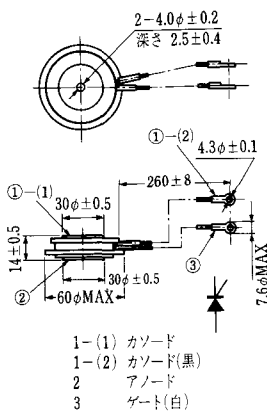
**T-19 (13-52B1A)**



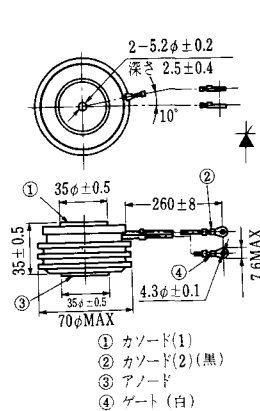
**T-20 (13-52C1A)**



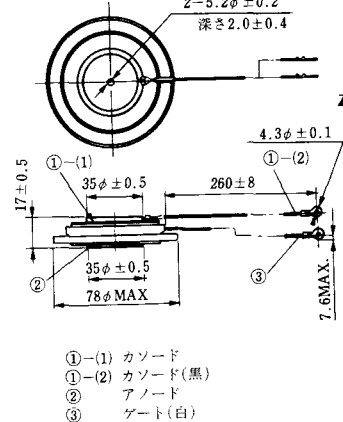
**T-21 (13-60A1A)**



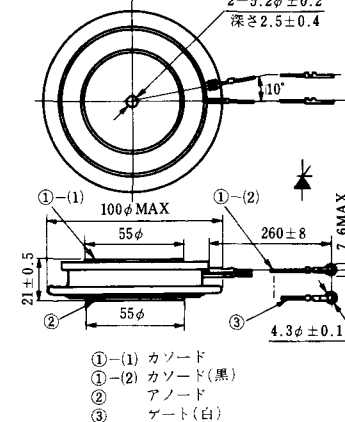
**T-22 (13-70C1A)**

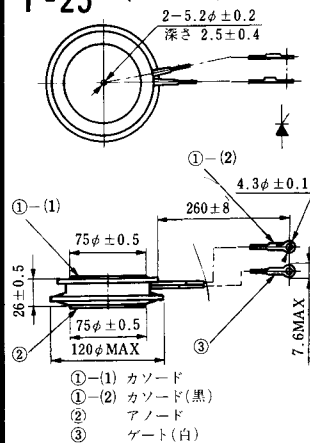
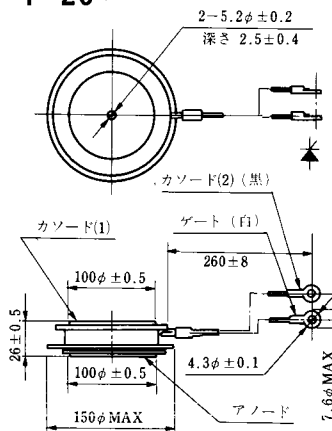
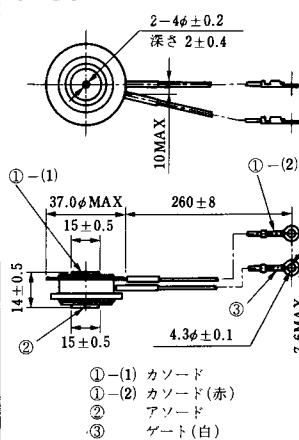
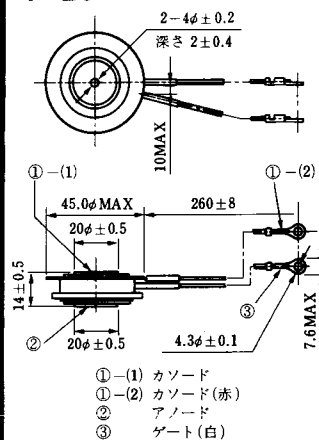
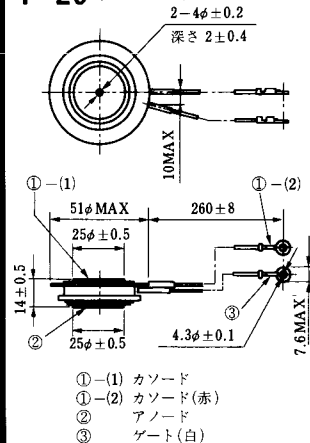
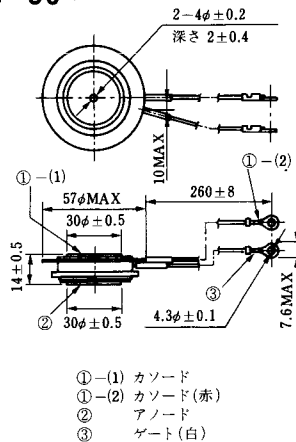
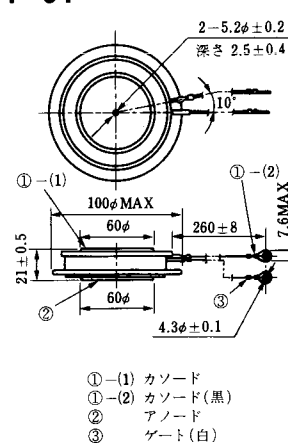
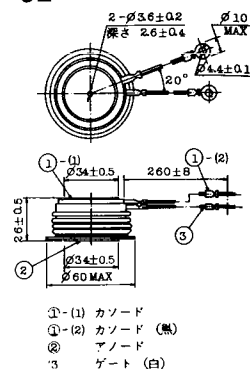


**T-23 (13-78A1A)**



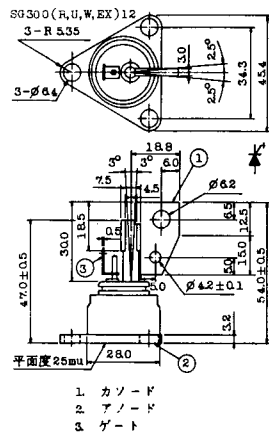
**T-24 (13-100C1A)**



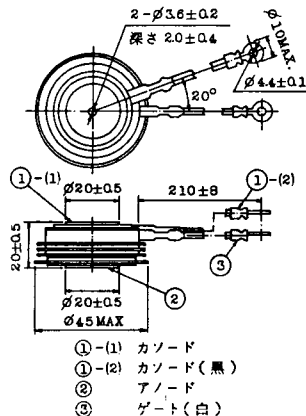
**T-25** (13-120A2A)**T-26** (13-150A1A)**T-27** (13-37A1A)**T-28** (13-45E1A)**T-29** (13-51A1A)**T-30** (13-57A1A)**T-31** (13-100E1A)**T-32** (13-60E3A)



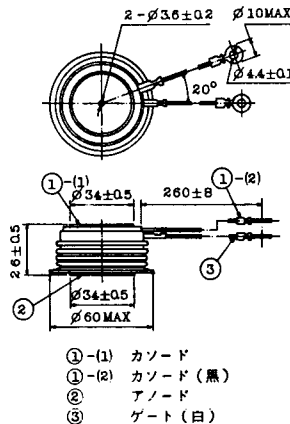
# T-41 (13-28A2A)



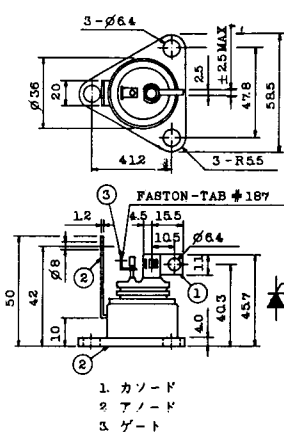
# T-42 (13-45F1A)



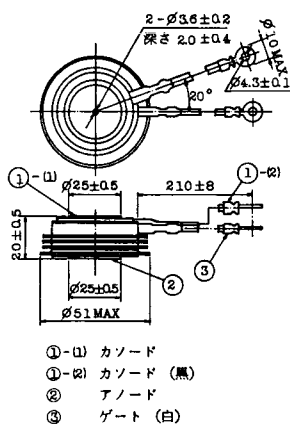
# T-43 (13-60E2A)



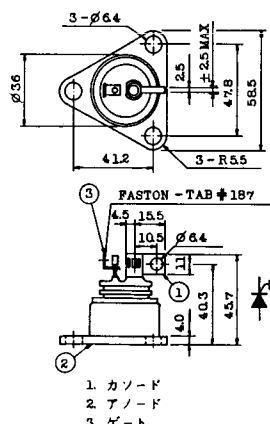
# T-44 (13-36A1A)



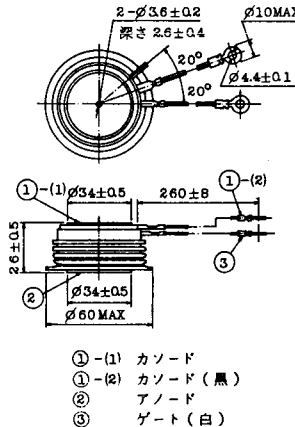
# T-45 (13-51B1A)



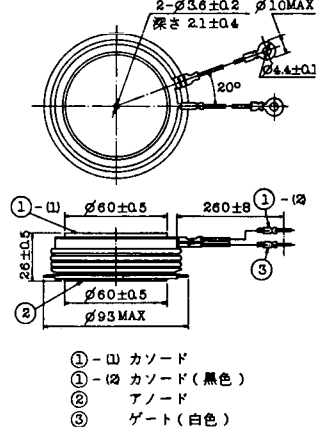
# T-46 (13-36B1A)



# T-47 (13-60E1A)

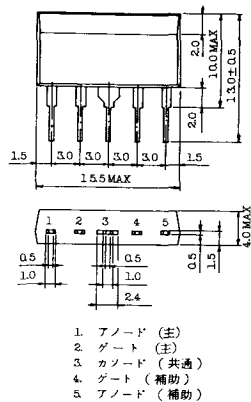


# T-48 (13-93C1A)

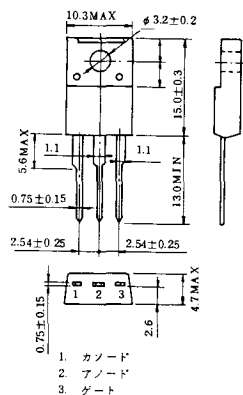




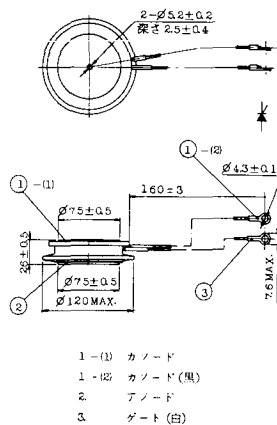
T-57 (12-16C1A)



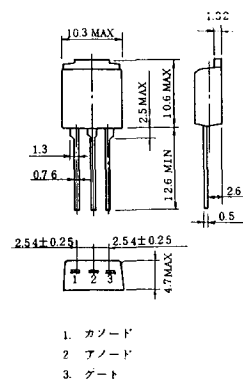
T-58 (13-10H1B)



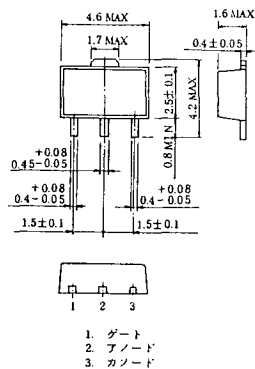
T-59 (13-120A1A)



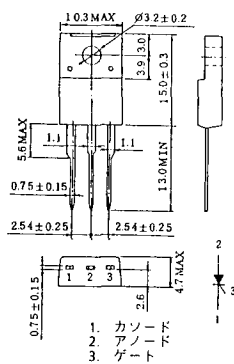
T-60



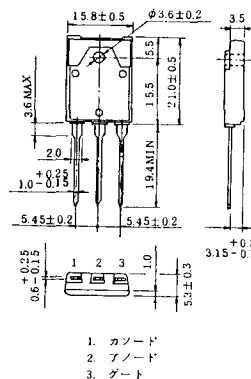
T-61 (13-5B1A)



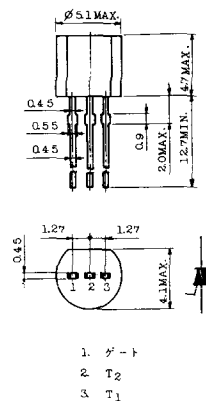
T-62 (13-10H1A)



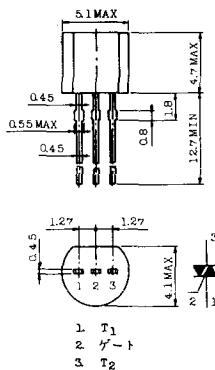
T-63 (13-16A1B)



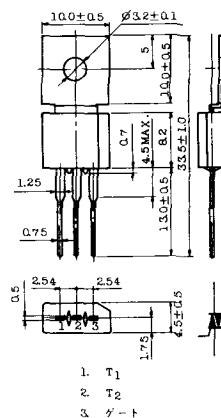
TT-1



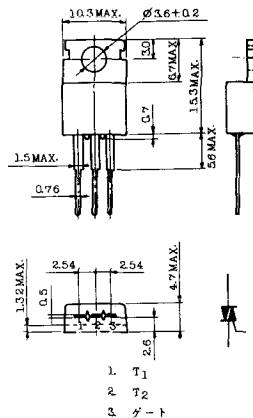
TT-2



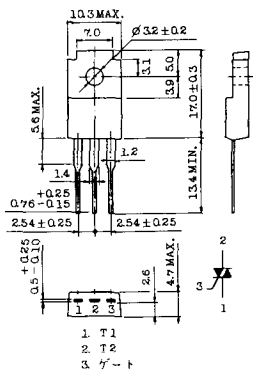
TT-3



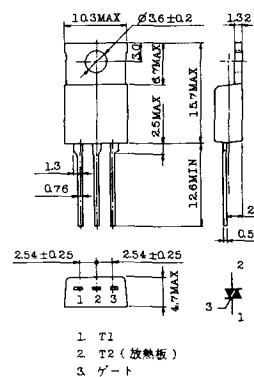
TT-4



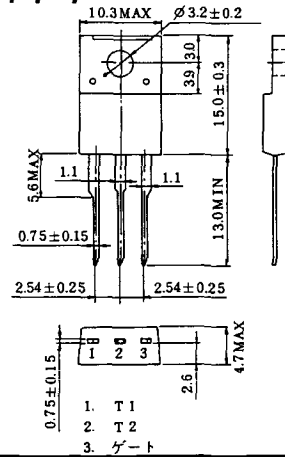
TT-5



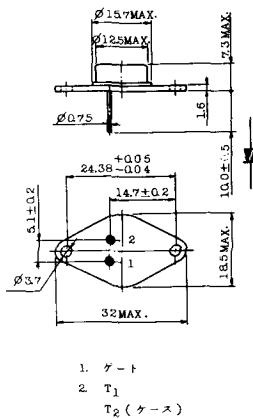
TT-6



TT-7

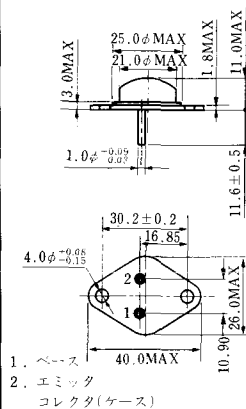


TT-8

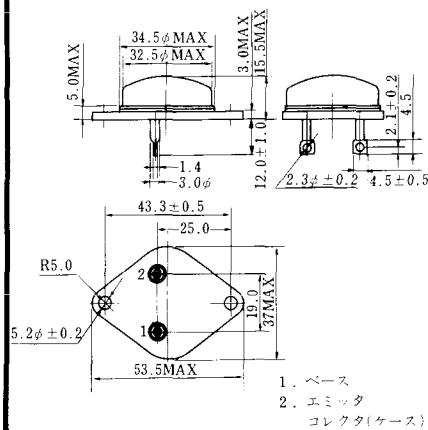




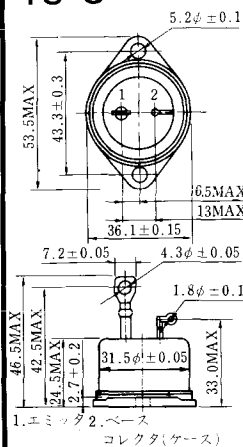
TS - 1



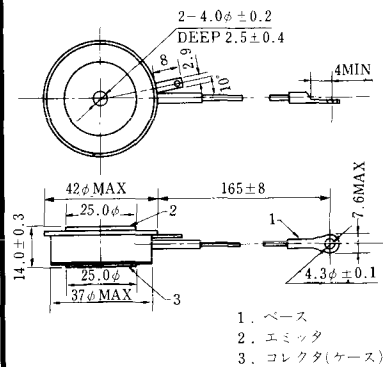
TS - 2



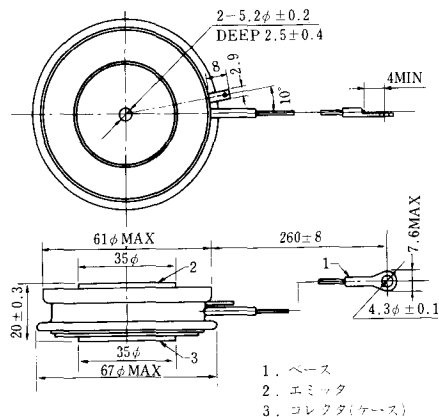
TS-3



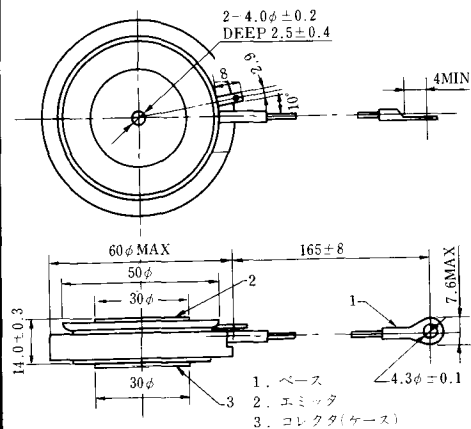
TS-4



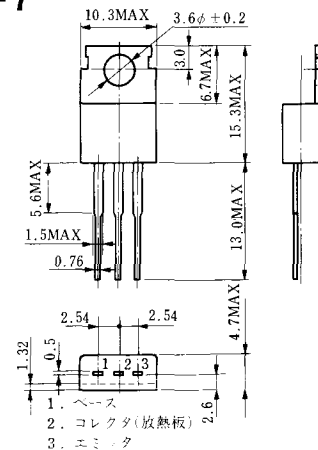
TS-5



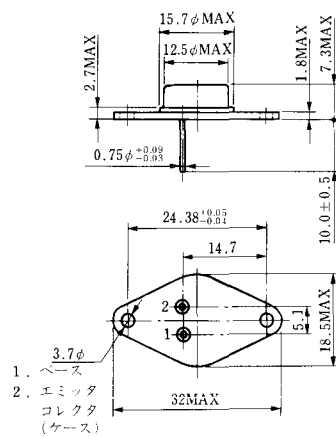
TS-6

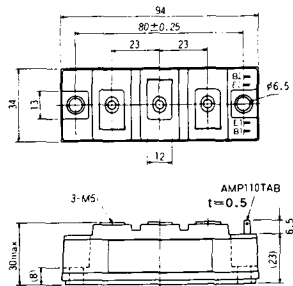
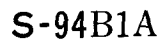
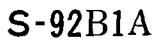
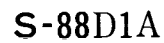
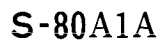


TS-7

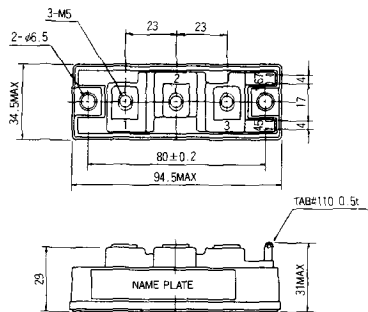


# TS-8

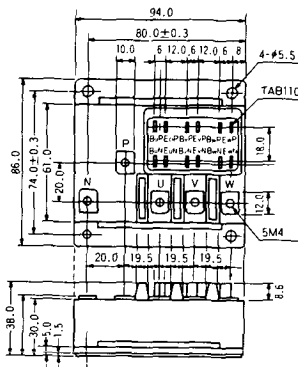




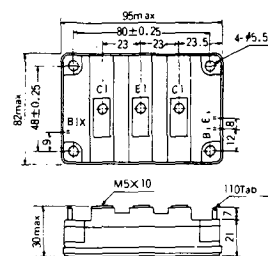
S-94B2A



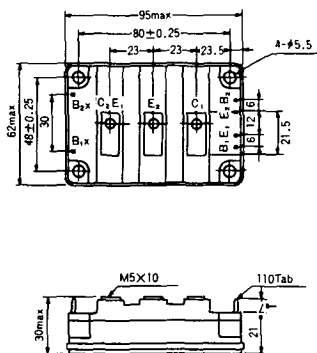
S-94D1A



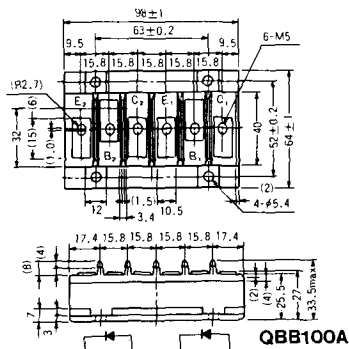
S-95A1A



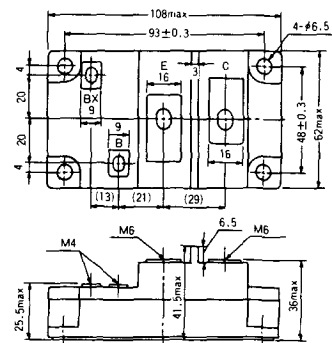
S-95B1A



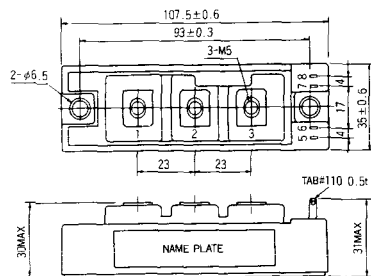
S-98B1B



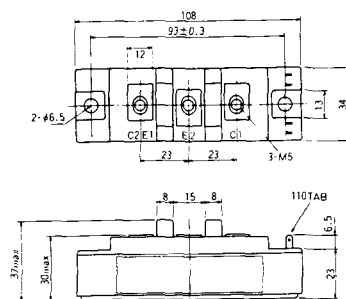
S-108A2A



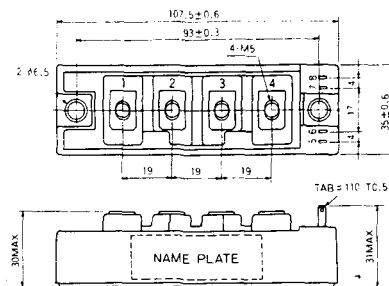
S-108B1A



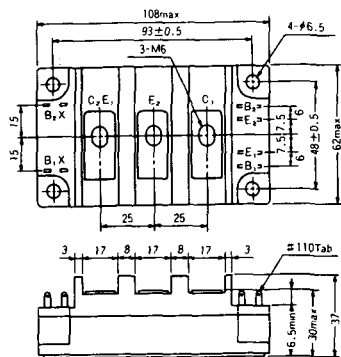
S-108B1B



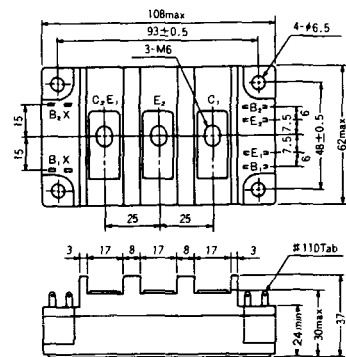
S-108B1C



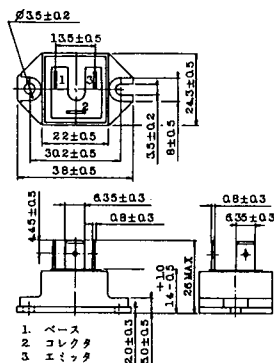
S-108B2A



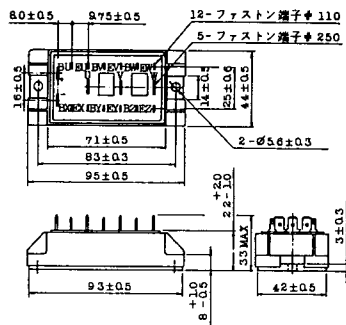
S-108B2B



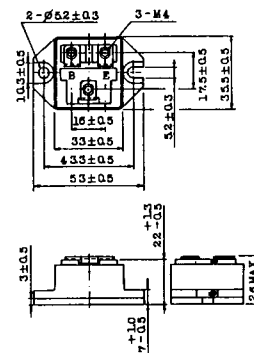
2-22B1A



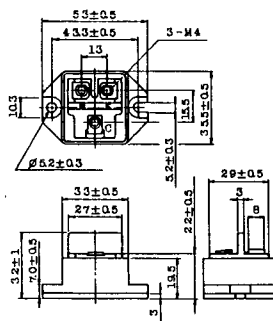
2-27A4A



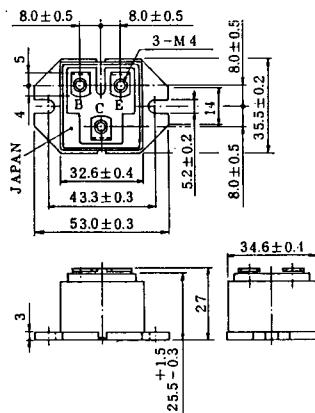
2-33C1A



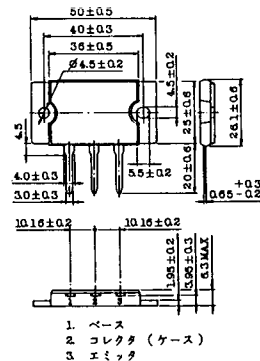
2-33D1A



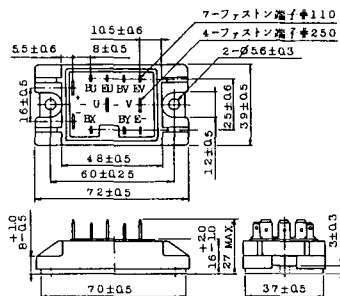
2-33F1A



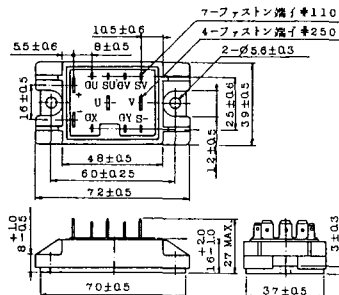
2-37A1A



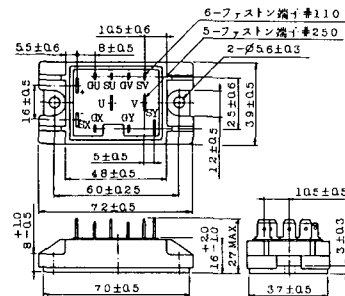
2-48A3A



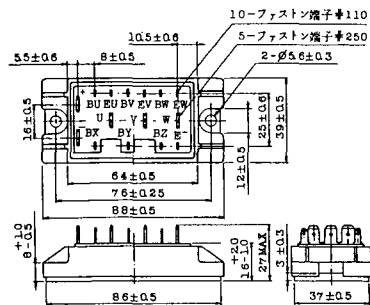
2-48A3B



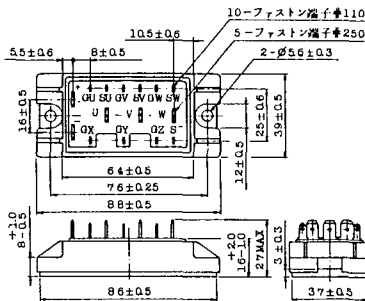
2-48A4A



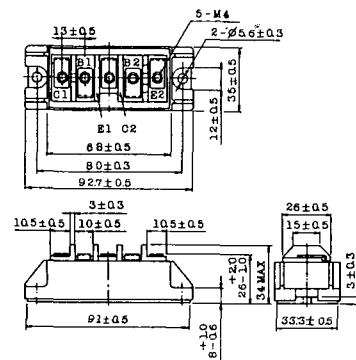
2-64A2A



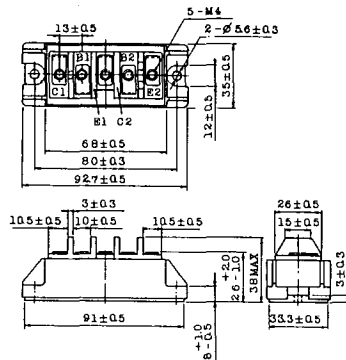
2-64A2B



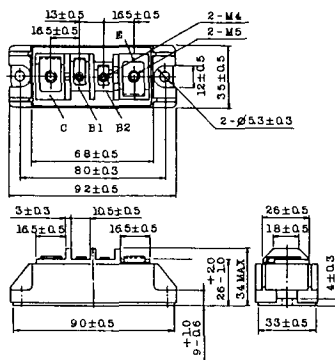
2-68A2A



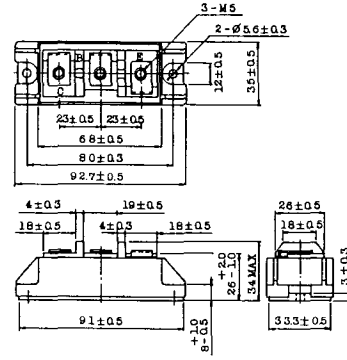
2-68B2A



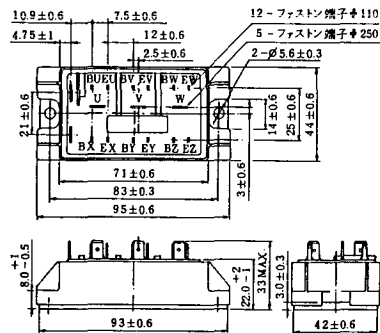
2-68C1A



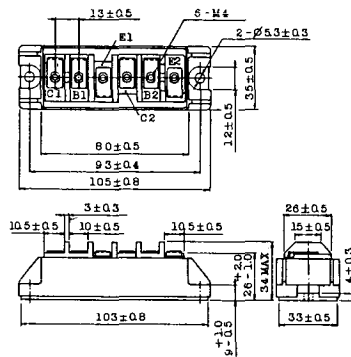
2-68D2A



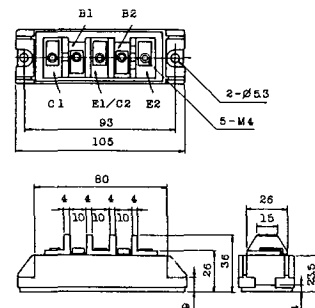
2-72A3A



2-80A1A

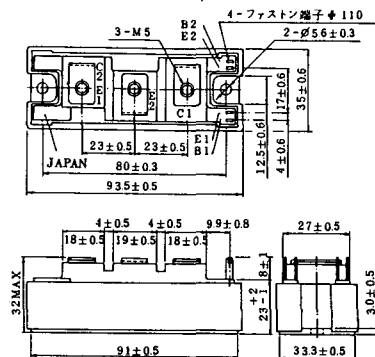


2-80B1A

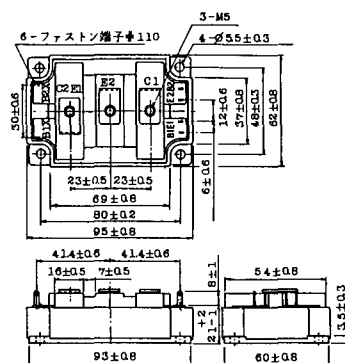




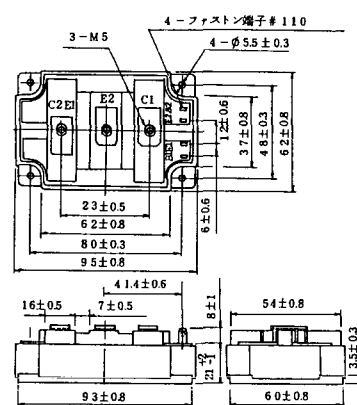
2-94D1A



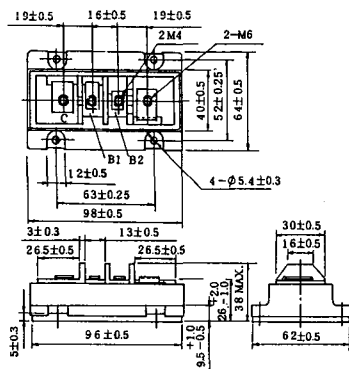
2-96A3A



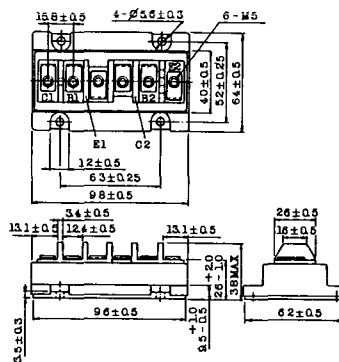
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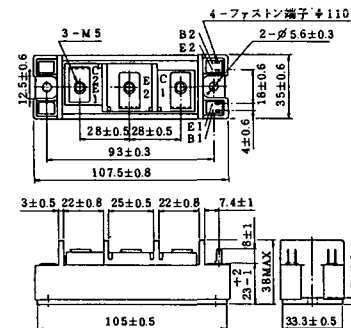
2-98B1A



**2-98C2A**



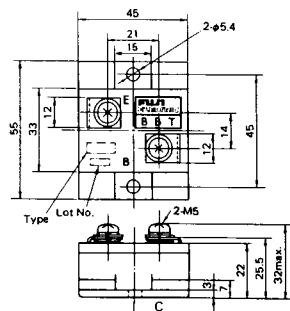
**2-108A2A**





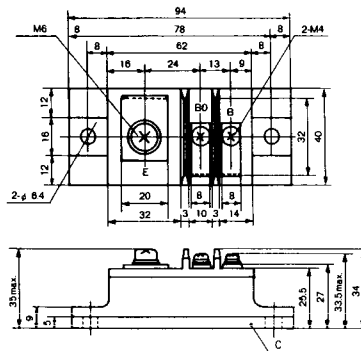
# BBT-II

BBTII  
1D200A-020



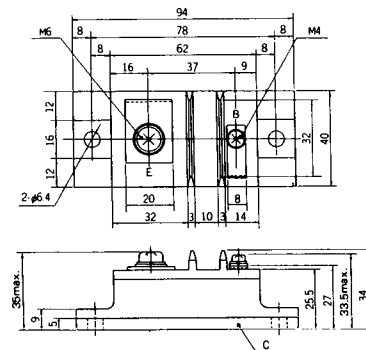
# BBT-III

BBTIII  
ETN31-055  
ETN36-030  
ETN36-030  
ETN35-030



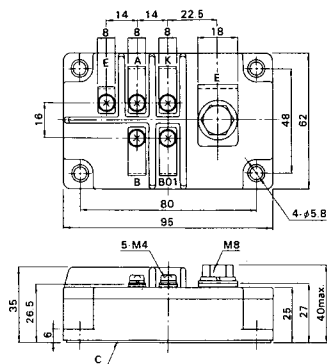
# BBT-III

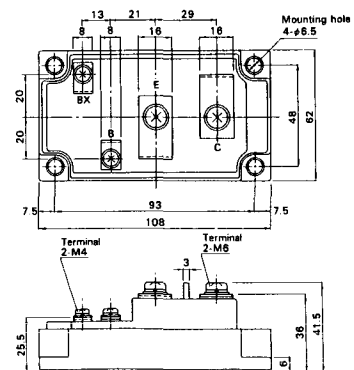
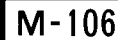
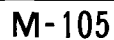
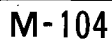
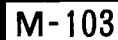
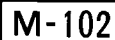
BBTIII  
ETN01-055  
ET1257



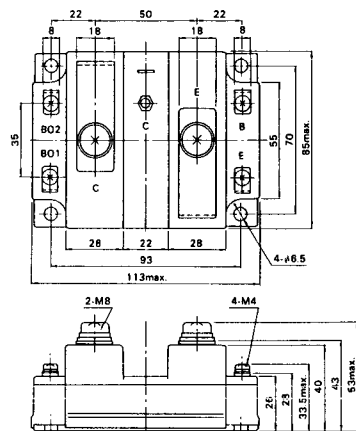
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BBTIV  
1D500A-030

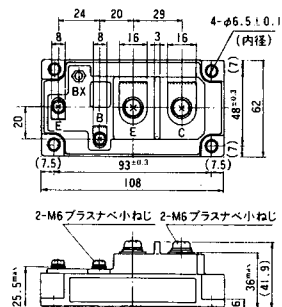




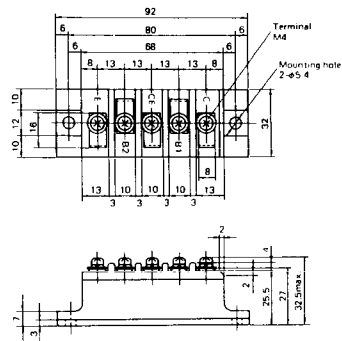
# M-107



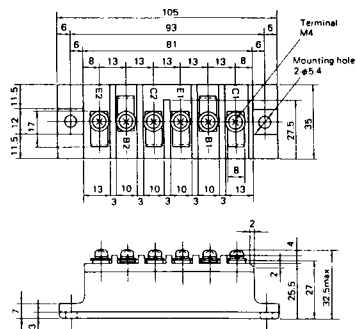
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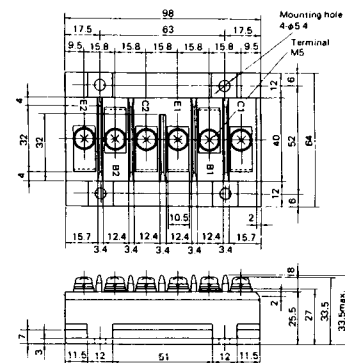
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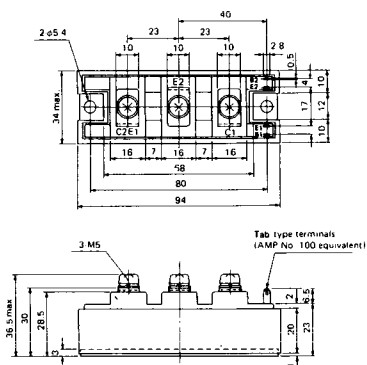
M-202



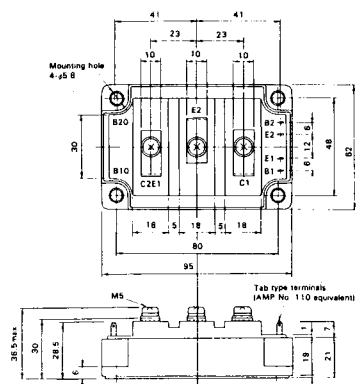
M-203



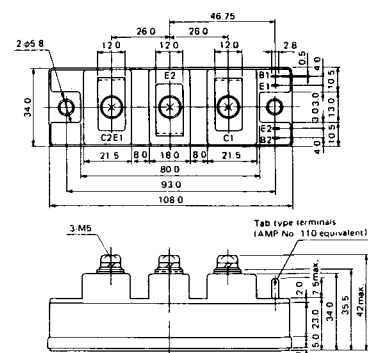
M-204



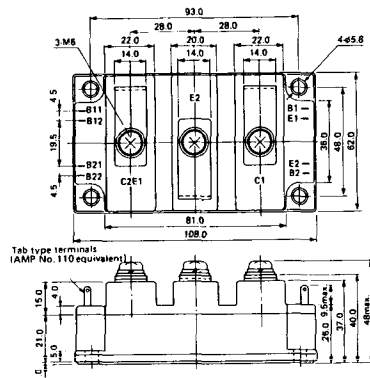
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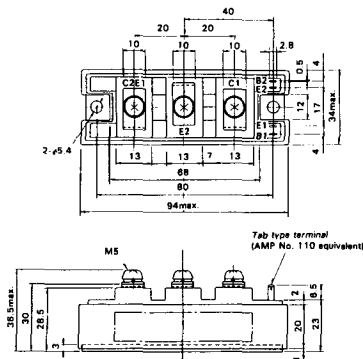
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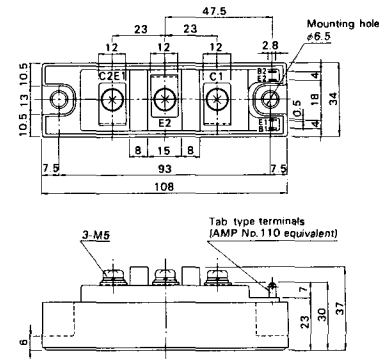
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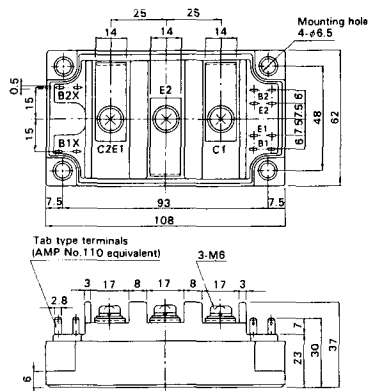
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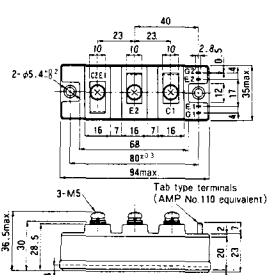
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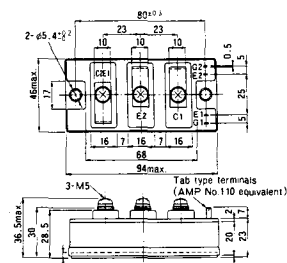
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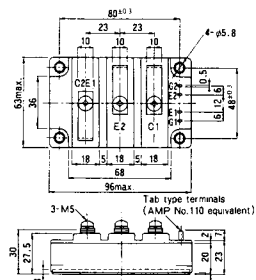
M-211



M-212

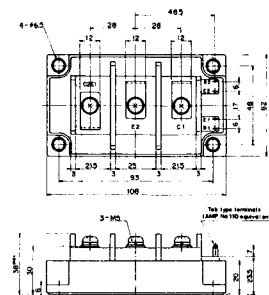


M-213

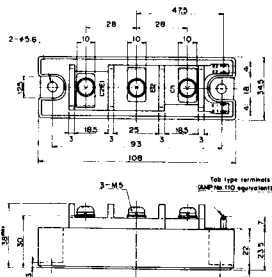


M-214

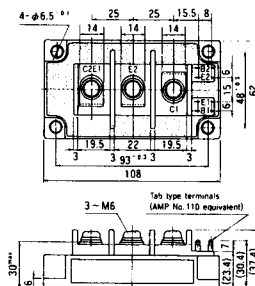
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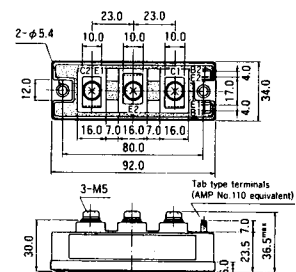
M-216



M-217

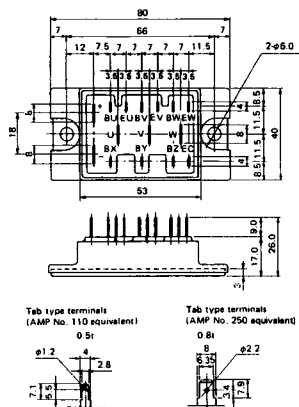


M-218

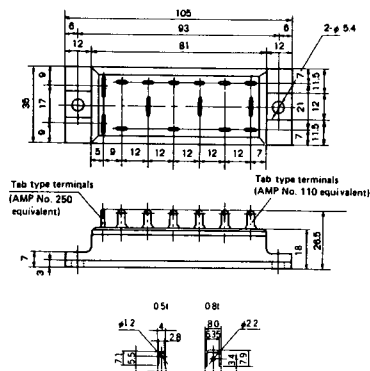




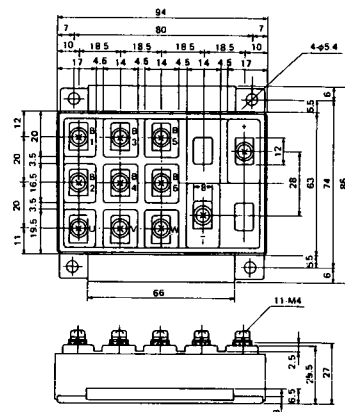
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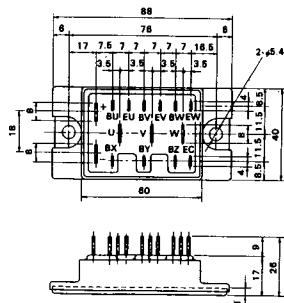
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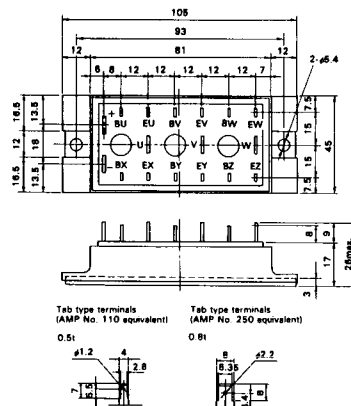
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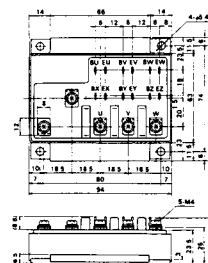
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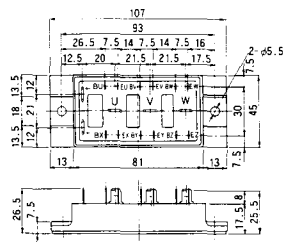
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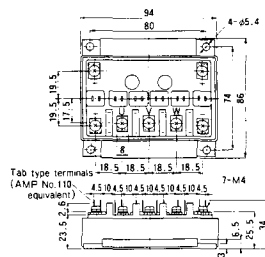
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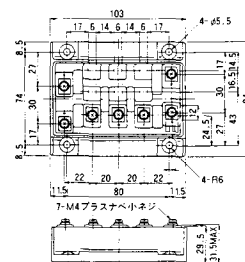
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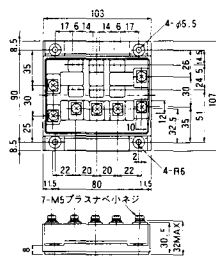
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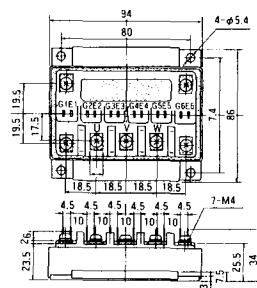
M-609



M-610

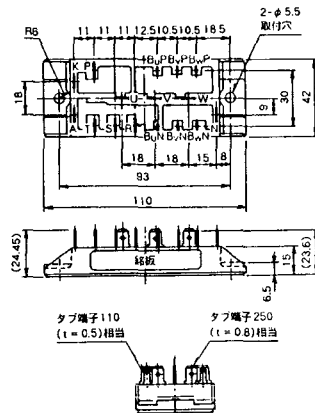


M-616

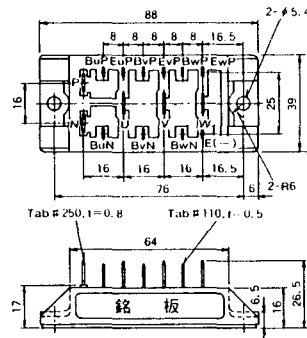




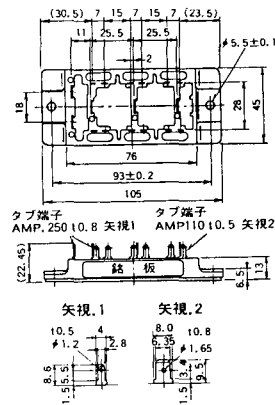
# M-2E6A



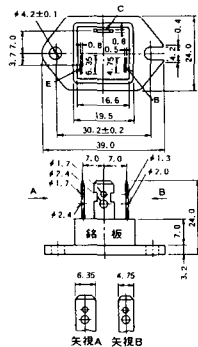
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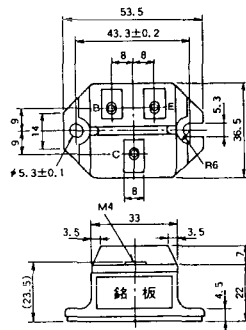
# M-2G6A



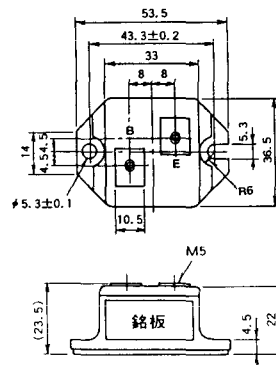
# M-3A1A



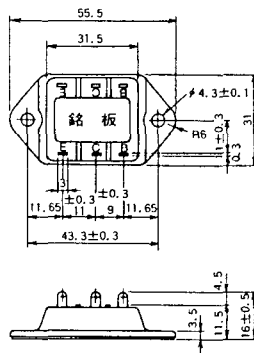
# M-3B1A



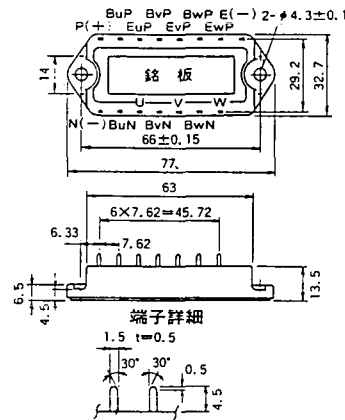
# M-3B1B



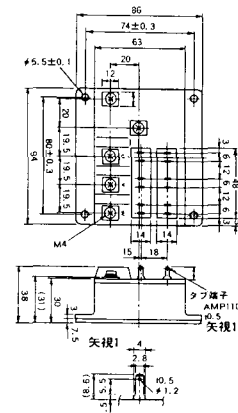
M-3C1A



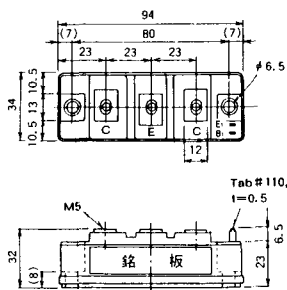
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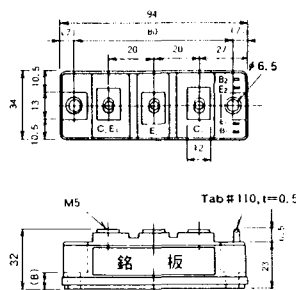
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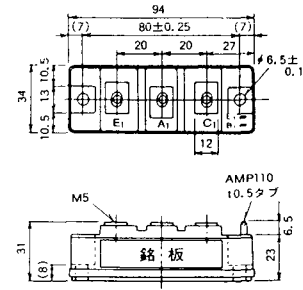
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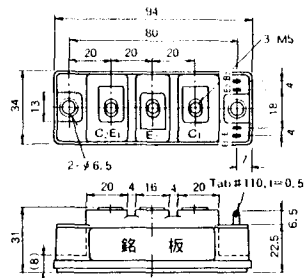
M-4A2A



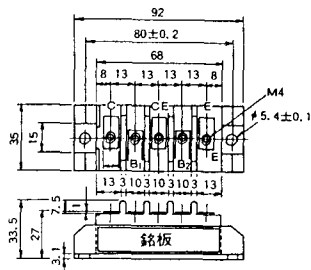
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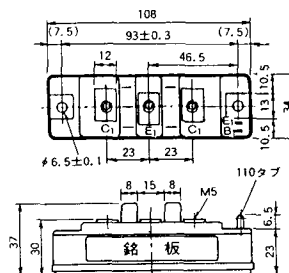
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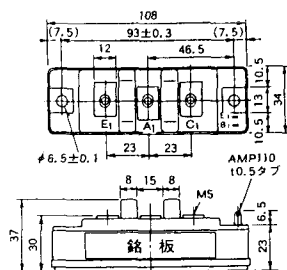
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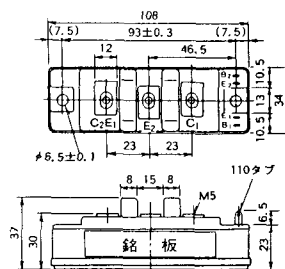
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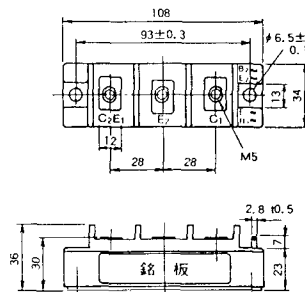
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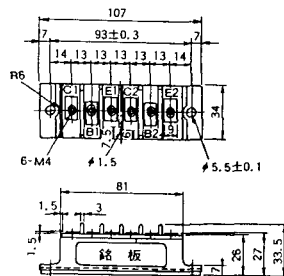
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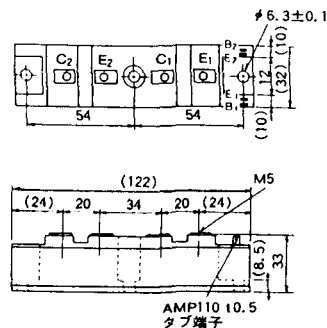
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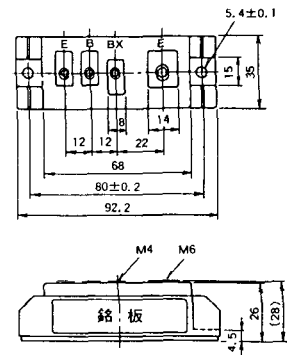
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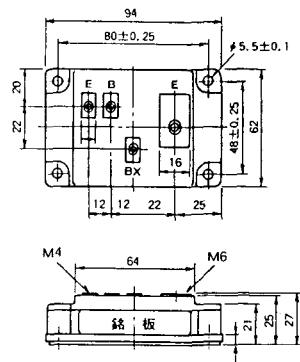
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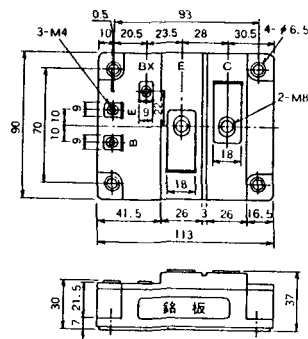
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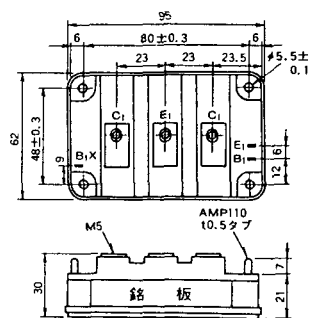
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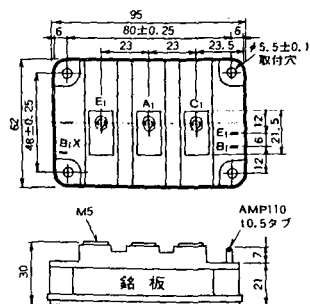
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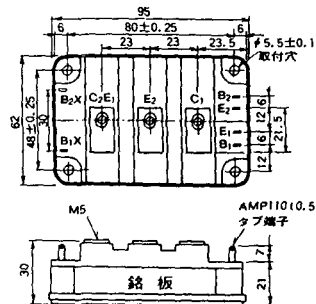
M-8A1A



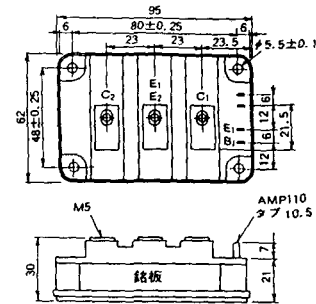
M-8A1B



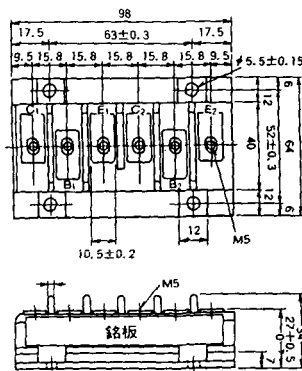
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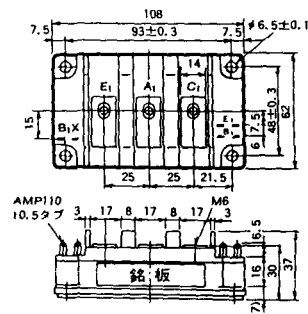
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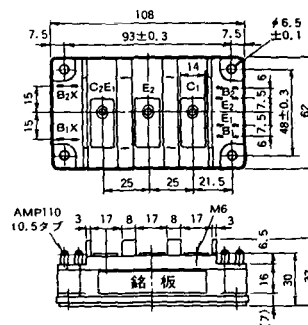
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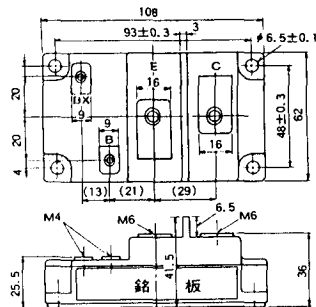
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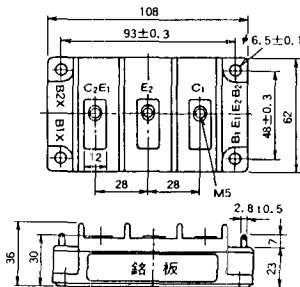
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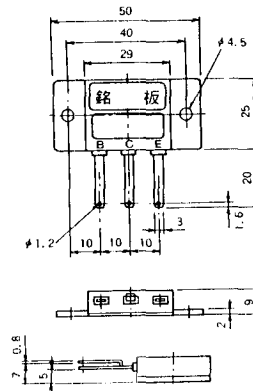
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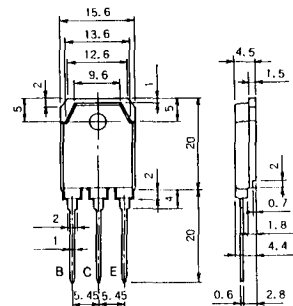
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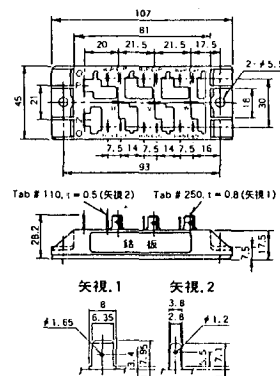
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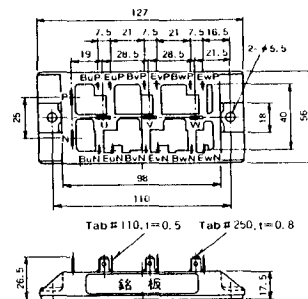
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M-2E6B

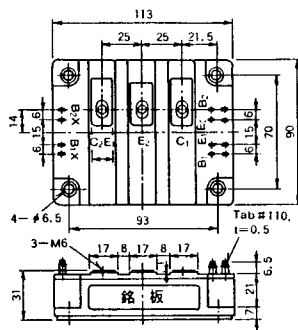


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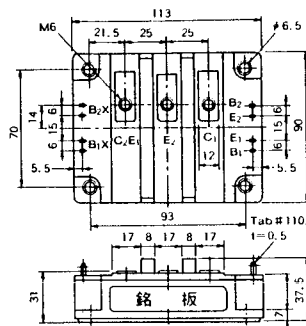




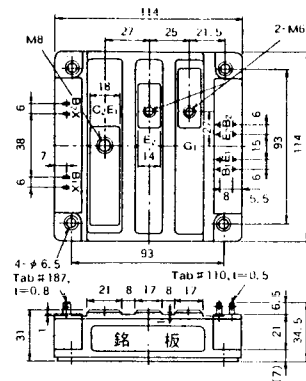
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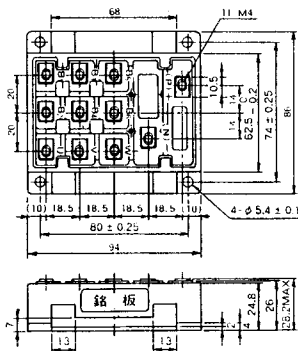
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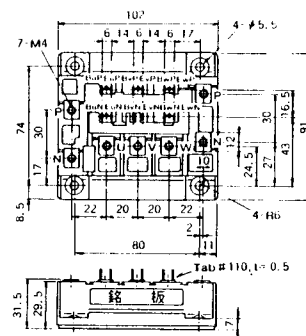
M-11A2A



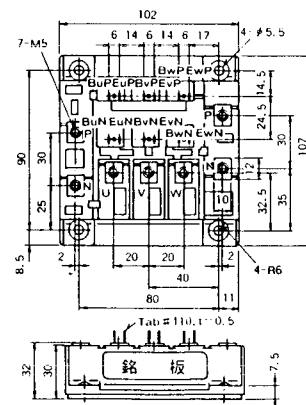
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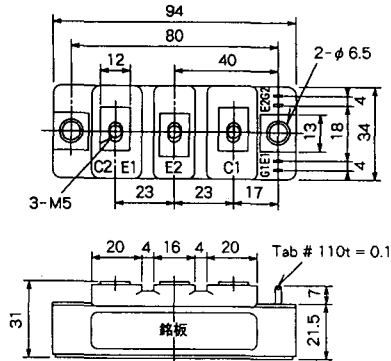
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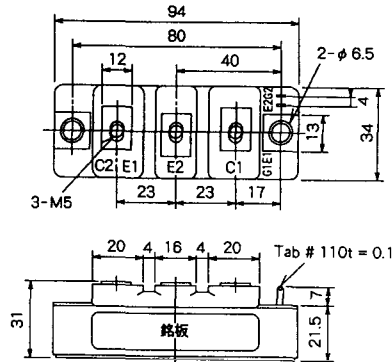
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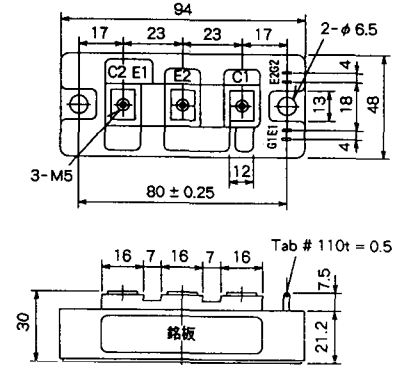
M-4A2D



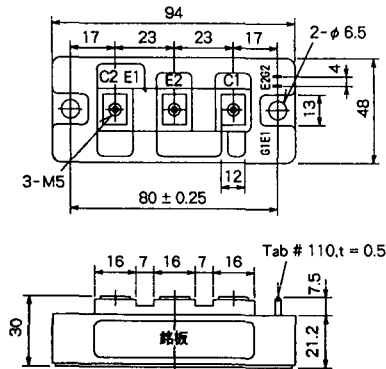
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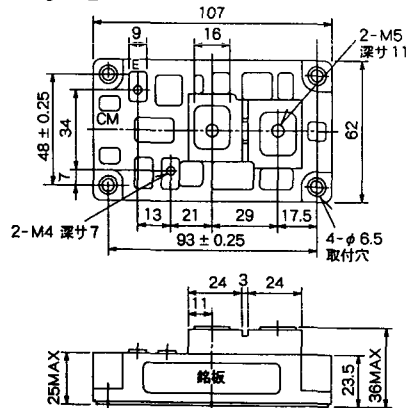
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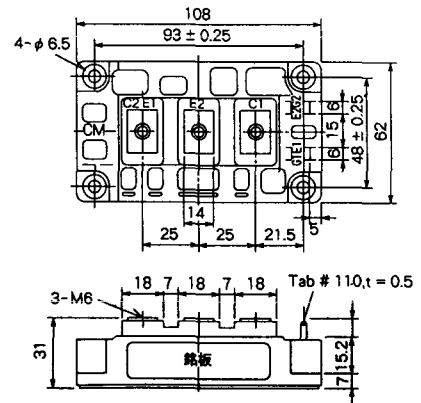
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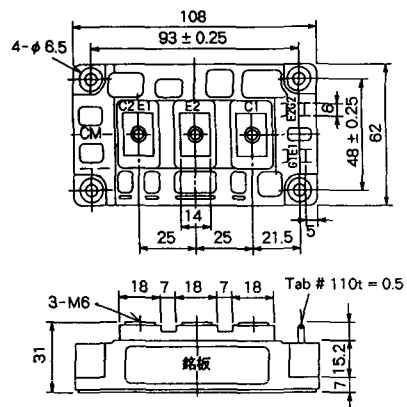
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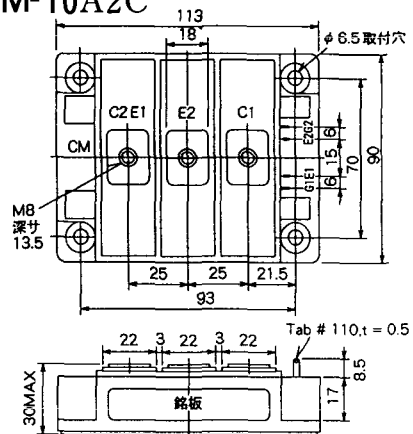
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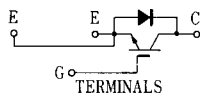
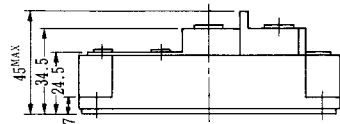
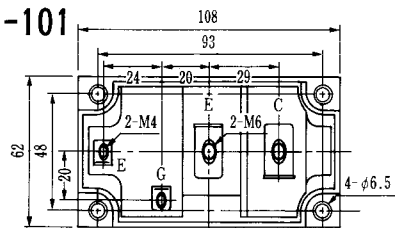
M-9D2B



M-10A2C



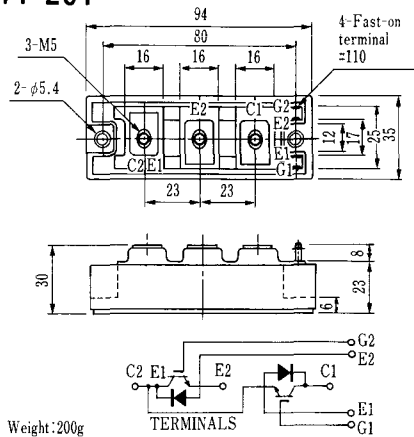
H-101



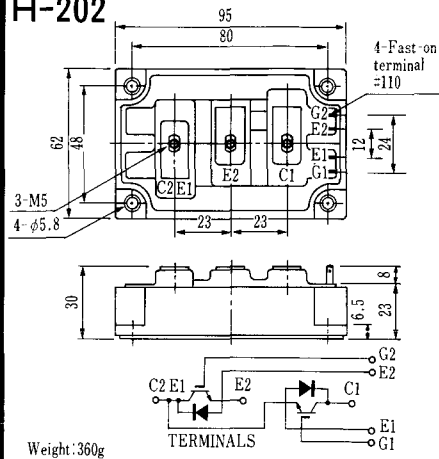
Weight :480g

TERMINALS

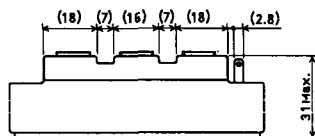
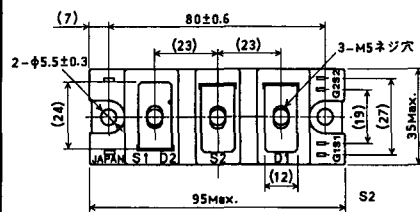
# H-201



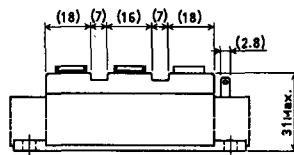
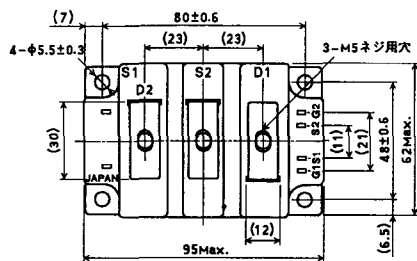
# H-202



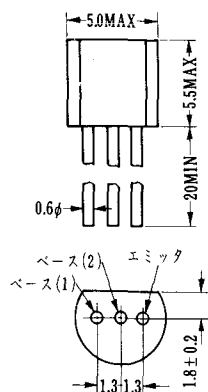
# LF-J



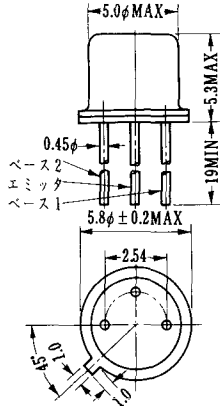
# LF-K



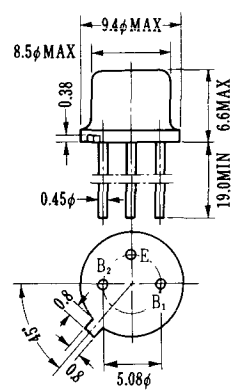
U-1



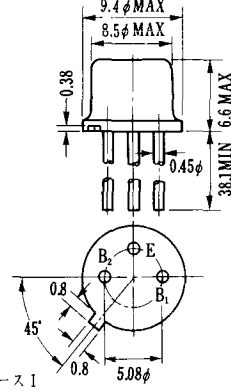
U-2



U-3



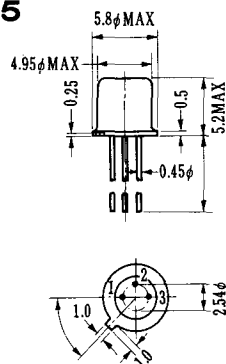
U-4



電極接続

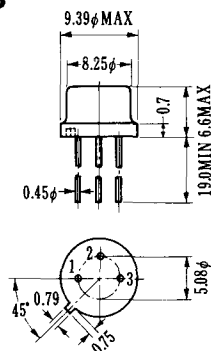
B<sub>1</sub>: ベース1  
B<sub>2</sub>: ベース2  
E: エミッタ

U-5



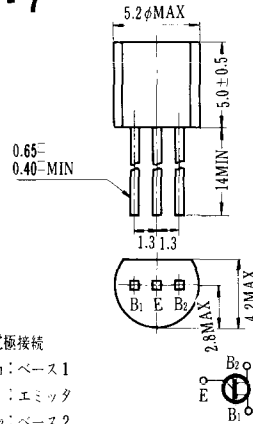
1. BASE1  
2. EMITTER  
3. BASE2 (CASE)

U-6



1. BASE(2)  
2. EMITTER  
3. BASE(1)

U-7



電極接続

B<sub>1</sub>: ベース1  
E: エミッタ  
B<sub>2</sub>: ベース2

U-8

