SKD 115



Bridge Rectifiers

SKD 115

Target Data

Features

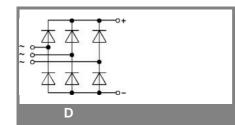
- Compact design
- SKiiP technology: thermal pressure contact, no base plate and no hard mould
- Two screws mounting
- Heat transfer and isolation through direct copper board (low R th)
- Low resistance in steady-state
 and high reliability
- High surge currents
- Up to 1800 V
- UL recognized, file no. E 63 532

Typical Applications

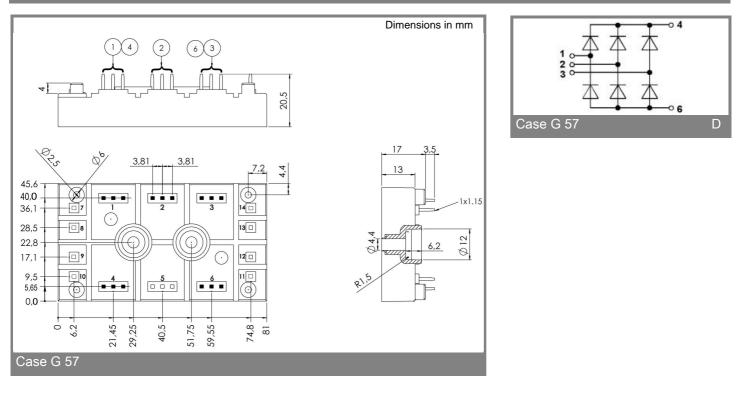
- Three phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers

V _{RSM} V	V _{RRM} , V _{DRM} V	I _D = 110 A (full conduction) (T _s = 85 °C)
	1200	SKD 115/12
	1600	SKD 115/16
	1800	SKD 115/18

Symbol	Conditions	Values	Units
I _D	T _s = 85 °C	110	А
I _{FSM}	T _{vi} = 25 °C; 10 ms		А
	T _{vi} = 125 °C; 10 ms	1150	А
i²t	T _{vi} = 25 °C; 8,3 10 ms		A²s
	T _{vj} = 125 °C; 8,3 10 ms	6600	A²s
V _F	T _{vi} = 125 °C; I _F = 75 A	max. 1,25	V
V _(TO)	$T_{vi} = 125 \text{ °C}$	0,8	V
r _T	$T_{vi}^{,j} = 125 \text{ °C}$	7	mΩ
I _{RD}	T_{vj}^{J} = 25 °C; V_{DD} = V_{DRM} ; V_{RD} = V_{RRM}		mA
			mA
R _{thjh}	per diode	1	K/W
injn i			K/W
T _{solder}	Terminals, max 10s	260	°C
T _{vj}		- 40 + 150	°C
T _{stg}		- 40 + 125	°C
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 (3000)	V
M _s	to heatsink; SI units	2,5	Nm
M _t		·	Nm
m	approx.	75	g
Case		G 57	



SKD 115



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