

- 1 Series name
- 2 Single output
- 3 Output wattage
- 4 Input voltage
- 5 Output voltage

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MODEL	ZUS15053R3	ZUS150505	ZUS150512	ZUS151205	ZUS151212	ZUS152405	ZUS152412	ZUS15483R3	ZUS154805	ZUS154812	
MAX OUTPUT WATTAGE[W]	6.6	10.0	12.0	12.0	15.6	12.0	15.6	7.92	12.0	15.6	
DC OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5	12
	CURRENT[A]	2.0	2.0	1.0	2.4	1.3	2.4	1.3	2.4	2.4	1.3

**SPECIFICATIONS**

	MODEL	=ZUS15053R3	ZUS150505	ZUS150512	ZUS151205	ZUS151212	ZUS152405	ZUS152412	=ZUS15483R3	ZUS154805	ZUS154812	
INPUT	VOLTAGE[V]	DC4.5 - 9			DC9 - 18		DC18 - 36		DC36 - 75			
	CURRENT[A]	*1 1.83typ	2.50typ	2.96typ	1.25typ	1.57typ	0.63typ	0.78typ	0.21typ	0.31typ	0.39typ	
	EFFICIENCY[%]	*1 72typ	80typ	81typ	80typ	83typ	80typ	83typ	78typ	80typ	83typ	
OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5	12	
	CURRENT[A]	2.0	2.0	1.0	2.4	1.3	2.4	1.3	2.4	2.4	1.3	
	LINE REGULATION[mV]	20max	20max	48max	20max	48max	20max	48max	20max	20max	48max	
	LOAD REGULATION[mV]	40max	40max	100max	40max	100max	40max	100max	40max	40max	100max	
	RIPPLE[mVp-p]	*2 80max	80max	120max	80max	120max	80max	120max	80max	80max	120max	
	RIPPLE NOISE[mVp-p]	*2 120max	120max	150max	120max	150max	120max	150max	120max	120max	150max	
	TEMPERATURE REGULATION[mV] 0 to +55°C	50max	50max	150max	50max	150max	50max	150max	50max	50max	150max	
	DRIFT[mV]	*3 20max	20max	48max	20max	48max	20max	48max	20max	20max	48max	
	START-UP TIME[ms]	100max (Minimum input. Io=100%)										
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Internally fixed (TRM pin open), adjustable by external VR										
OUTPUT VOLTAGE SETTING[V]	3.20 - 3.47	± 5%							3.20 - 3.47	± 5%		
OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically											
OVERVOLTAGE PROTECTION	4.0 - 5.25V	Works at 115 - 140% of rating							4.0 - 5.25V	Works at 115 - 140% of rating		
REMOTE ON/OFF	Between RC and -side of input:short - 1.2V - - output ON, 2.4V - 5.5V(or open)- - output OFF, Compatible to TTL											
ISOLATION	INPUT-OUTPUT	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20t 15C)										
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20t 15C)										
	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20t 15C)										
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTIITUDE	-20 to +71C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max										
	STORAGE TEMP.,HUMID.AND ALTIITUDE	-40 to +85C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max										
	VIBRATION	10 - 55Hz, 98.0m/s <sup>2</sup> (10G), 3minutes period, 60minutes each along X, Y and Z axis										
	IMPACT	490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis										
SAFETY	AGENCY APPROVALS	UL1950, EN60950, CSA C22.2 No.234 Complies with IEC60950										
OTHERS	CASE SIZE/WEIGHT	45×8.5×50mm (W×H×D) / 55g max										
	COOLING METHOD	Convection										

\* 1 Rated input. 5V, 12V, 24V or 48V DC, Io=100%

\* 2 Measured by 20MHz oscilloscope.

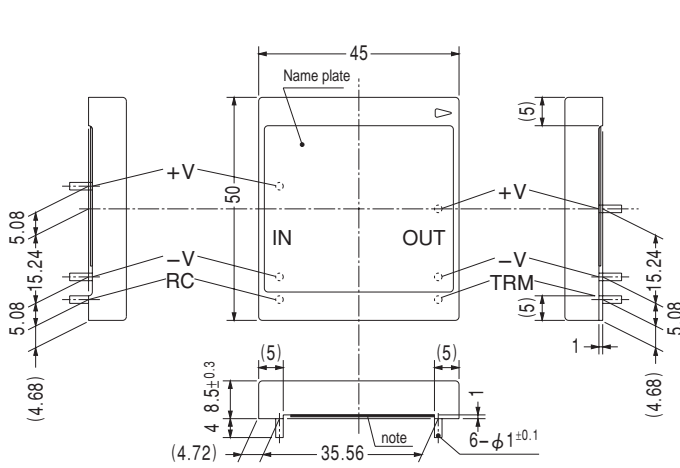
\* 3 The drift is a change at 25C of ambient temperature and 30 minutes - 8 hours after the in

put voltage applied at rated input/output.

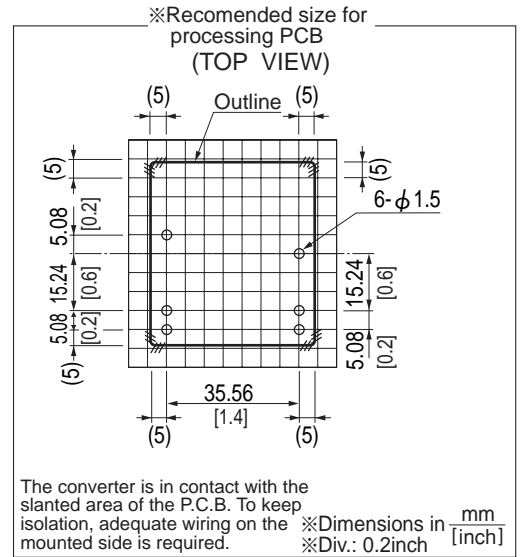
\* Series/Parallel operation with other model is not possible.

= marked models are pending for safety approvals. Consult with us for delivery.

External view

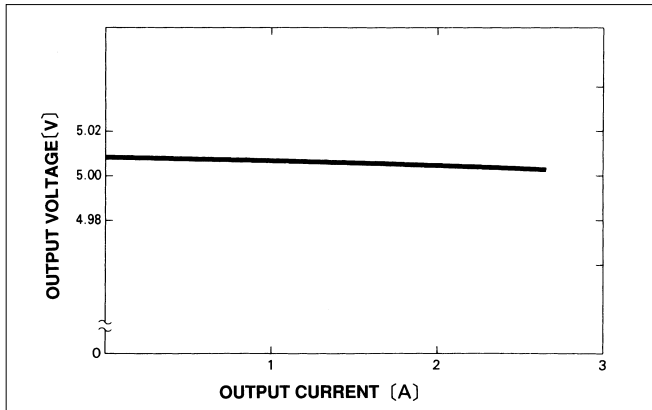


note) Internal parts  
 ※Weight: 55g or less.  
 ※Tolerance: ± 0.5  
 ※Case material: Aluminum

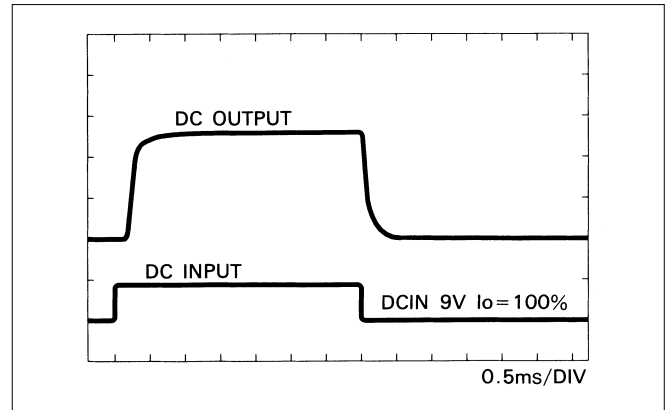


Performance data

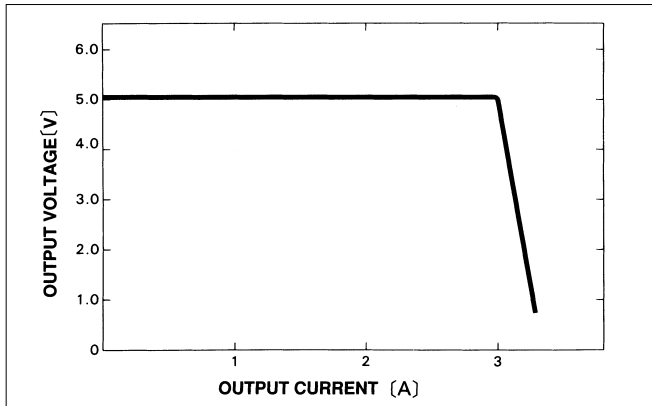
■ STATIC CHARACTERISTICS (ZUS151205)



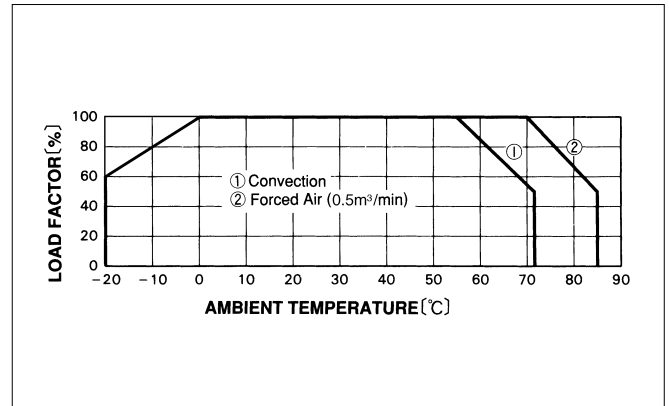
■ RISE TIME & FALL TIME (ZUS151205)



■ OVERCURRENT CHARACTERISTICS (ZUS151205)



■ DERATING CURVE



ZU/ZT