



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

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MODEL	ZUS25053R3	ZUS250505	ZUS250512	ZUS251205	ZUS251212	ZUS252405	ZUS252412	ZUS25483R3	ZUS254805	ZUS254812
MAX OUTPUT WATTAGE[W]	13.2	16.0	20.4	20.0	25.2	20.0	25.2	13.2	20.0	25.2
DC OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5
	CURRENT[A]	4.0	3.2	1.7	4.0	2.1	4.0	2.1	4.0	2.1

SPECIFICATIONS

	MODEL	=ZUS25053R3	ZUS250505	ZUS250512	ZUS251205	ZUS251212	ZUS252405	ZUS252412	=ZUS25483R3	ZUS254805	ZUS254812	
INPUT	VOLTAGE[V]	DC4.5 - 9			DC9 - 18		DC18 - 36		DC36 - 75			
	CURRENT[A]	3.66typ	4.00typ	4.98typ	2.03typ	2.47typ	1.02typ	1.23typ	0.35typ	0.51typ	0.62typ	
	EFFICIENCY[%]	72typ	80typ	82typ	82typ	85typ	82typ	85typ	78typ	82typ	85typ	
OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5	12	
	CURRENT[A]	4.0	3.2	1.7	4.0	2.1	4.0	2.1	4.0	4.0	2.1	
	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]	80max	80max	120max	80max	120max	80max	120max	80max	80max	120max	
	RIPPLE NOISE[mVp-p]	120max	120max	150max	120max	150max	120max	150max	120max	120max	150max	
	TEMPERATURE REGULATION[mV] 0 to +55℃	50max	50max	150max	50max	150max	50max	150max	50max	50max	150max	
	DRIFT[mV]	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										
		3.20 - 3.47							3.20 - 3.47		± 5%	
	OUTPUT VOLTAGE SETTING[V]	3.20 - 3.47	4.85 - 5.25	11.4 - 12.6	4.85 - 5.25	11.4 - 12.6	4.85 - 5.25	11.4 - 12.6	3.20 - 3.47	4.85 - 5.25	11.4 - 12.6	
PROTECTION CIRCUIT	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 (20 ± 15℃)										
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 ± 15℃)										
	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 ± 15℃)										
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-20 to +71℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max										
	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +85℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max										
	VIBRATION	10 - 55Hz, 98.0m/s ² (10G), 3minutes period, 60minutes each along X, Y and Z axis										
	IMPACT	490.3m/s ² (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	65 × 8.5 × 50mm (W × H × D) / 65g 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 25°C of ambient temperature and 30 minutes - 8 hours after the in

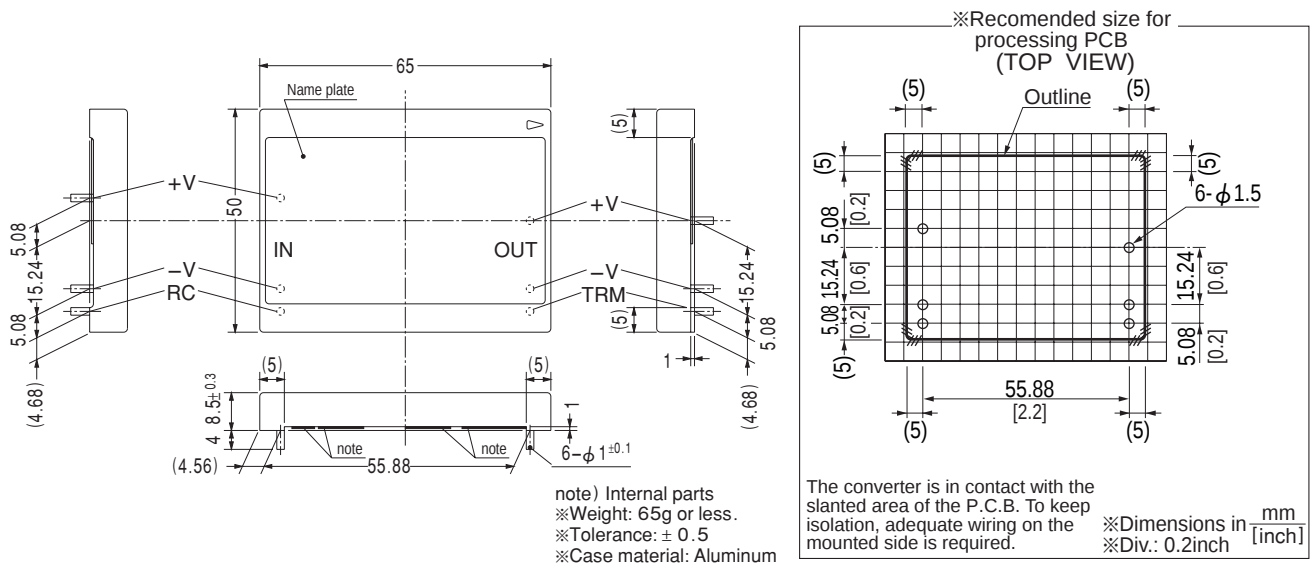
* Series/Parallel operation with other model is not possible.

= marked models are pending for safety approvals. Consult with

us for delivery.

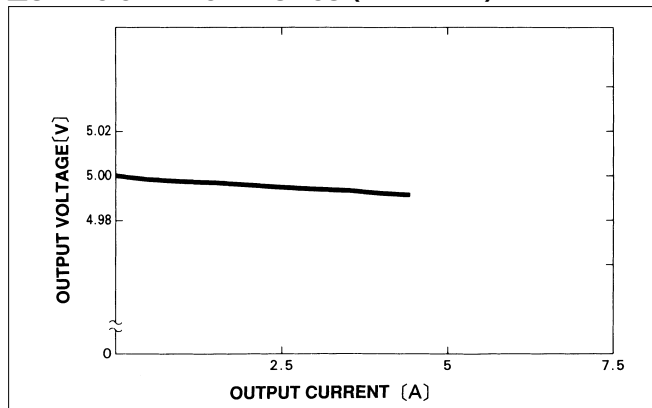
put voltage applied at rated input/output.

External view

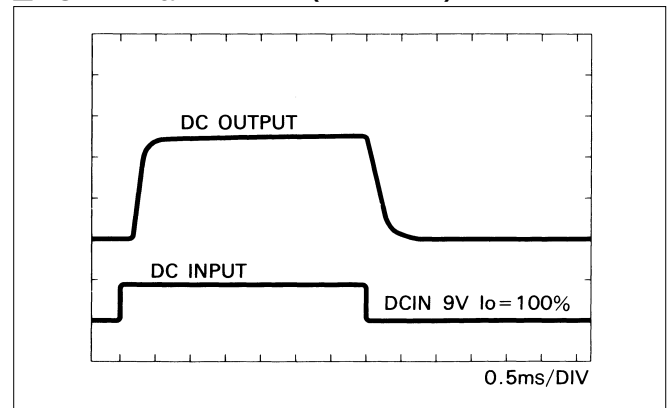


Performance data

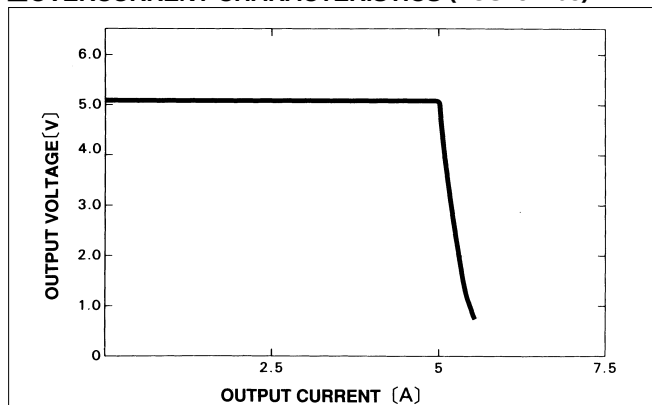
■ STATIC CHARACTERISTICS (ZUS251205)



■ RISE TIME & FALL TIME (ZUS251205)



■ OVERCURRENT CHARACTERISTICS (ZUS251205)



DERATING CURVE

