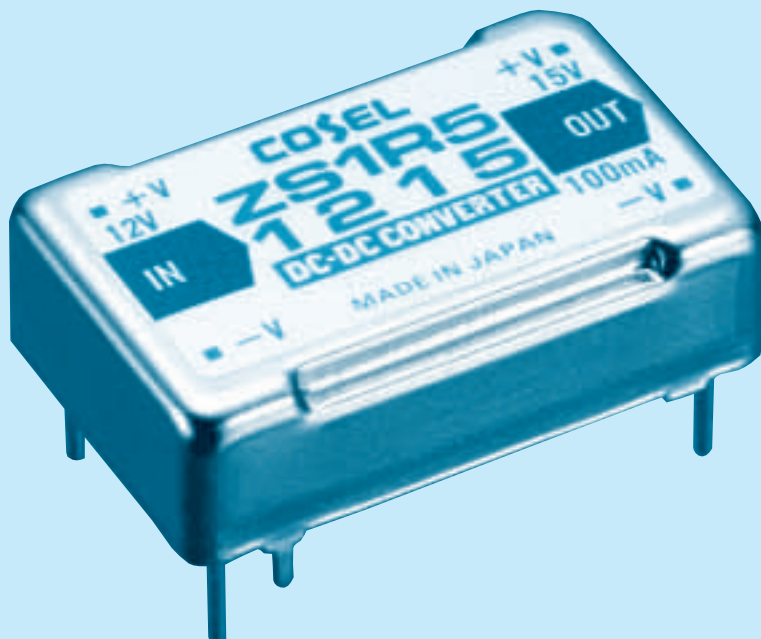


RoHS



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

MODEL	ZS1R50505	ZS1R50512	ZS1R50515	ZS1R51205	ZS1R51212	ZS1R51215	ZS1R52405	ZS1R52412	ZS1R52415	ZS1R54805	ZS1R54812	ZS1R54815
MAX OUTPUT WATTAGE[W]	1.25	1.44	1.5	1.25	1.44	1.5	1.25	1.44	1.5	1.25	1.44	1.5
DC OUTPUT	5V 0.25A	12V 0.12A	15V 0.1A	5V 0.25A	12V 0.12A	15V 0.1A	5V 0.25A	12V 0.12A	15V 0.1A	5V 0.25A	12V 0.12A	15V 0.1A

SPECIFICATIONS

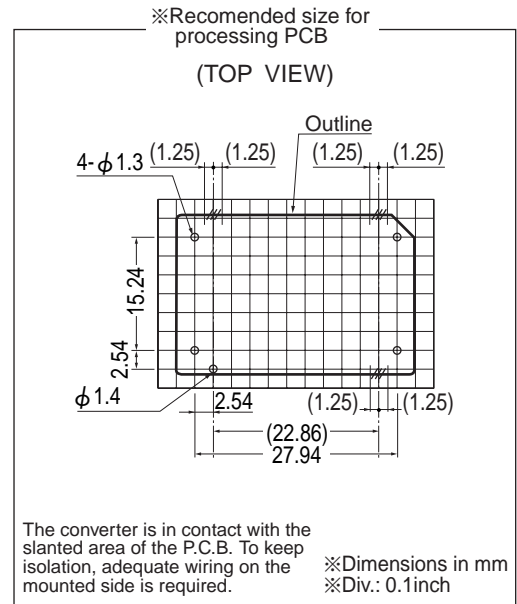
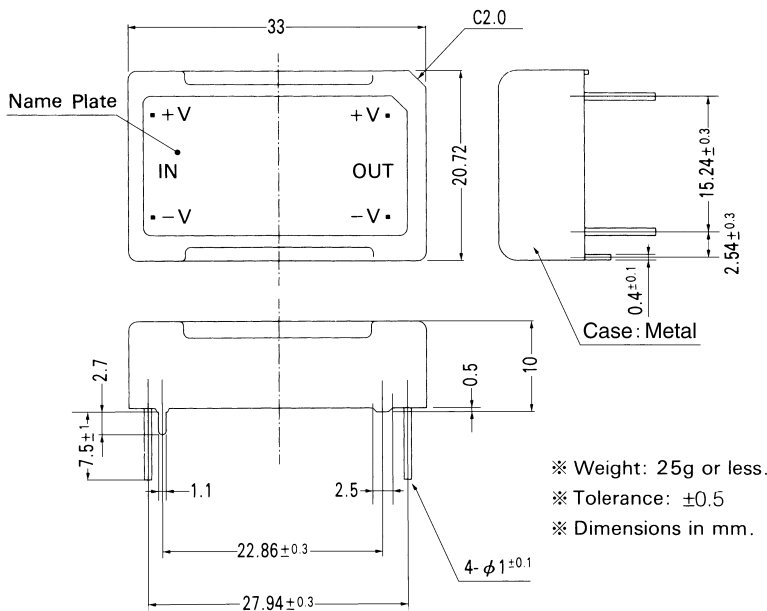
	MODEL	ZS1R50505	ZS1R50512	ZS1R50515	ZS1R51205	ZS1R51212	ZS1R51215	ZS1R52405	ZS1R52412	ZS1R52415	ZS1R54805	ZS1R54812	ZS1R54815
Z INPUT	VOLTAGE[V]	5 (4.5 - 6.0)			12 (10 - 15)			24 (20 - 30)			48 (35 - 63)		
	CURRENT[A]	*1 0.420typ	0.480typ	0.500typ	0.158typ	0.183typ	0.192typ	0.079typ	0.092typ	0.096typ	0.040typ	0.046typ	0.048typ
	EFFICIENCY[%]	60typ	60typ	60typ	65typ	65typ	65typ	65typ	65typ	65typ	65typ	65typ	65typ
OUTPUT	VOLTAGE[V]	5	12	15	5	12	15	5	12	15	5	12	15
	CURRENT[A]	0.25	0.12	0.1	0.25	0.12	0.1	0.25	0.12	0.1	0.25	0.12	0.1
	LINE REGULATION[mV]	25max	60max	75max	25max	60max	75max	25max	60max	75max	25max	60max	75max
	LOAD REGULATION[mV]	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	120max	150max
	RIPPLE[mVp-p]	*2 100max	120max	120max	100max	120max	120max	100max	120max	120max	100max	120max	120max
	RIPPLE NOISE[mVp-p]	*2 120max	120max	120max	120max	120max	120max	120max	120max	120max	120max	120max	120max
	TEMPERATURE REGULATION[mV]	0 to +50°C			50max			120max			150max		
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed											
OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25°C)												
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically											
	INPUT-OUTPUT	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
ISOLATION	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max											
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max											
ENVIRONMENT	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 30minutes each along X, Y and Z axis											
	IMPACT	490.3m/s ² (50G), 11ms, once each X, Y and Z axis											

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

*2 Measured by 20MHz oscilloscope.

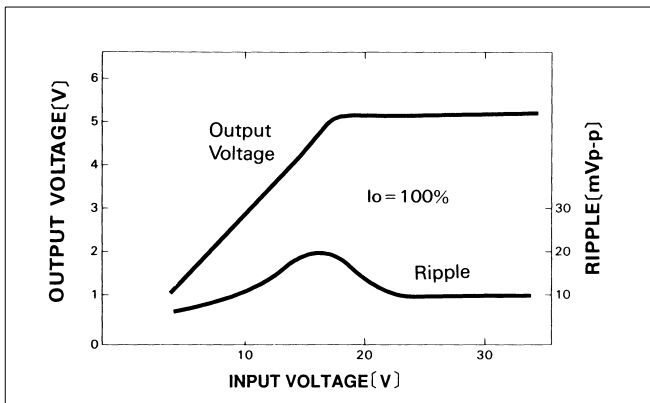
* Parallel operation with other model is not possible.

External view

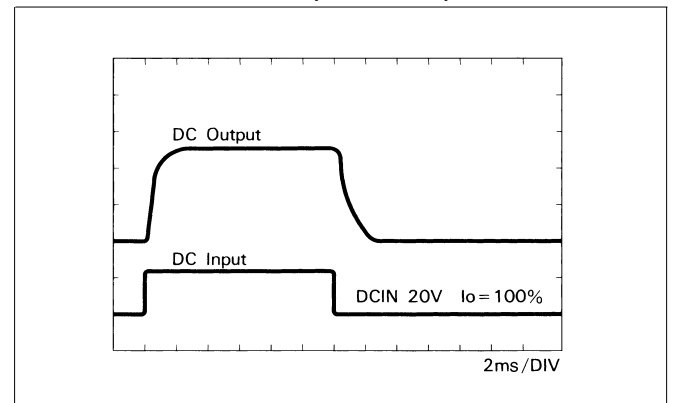


Performance data

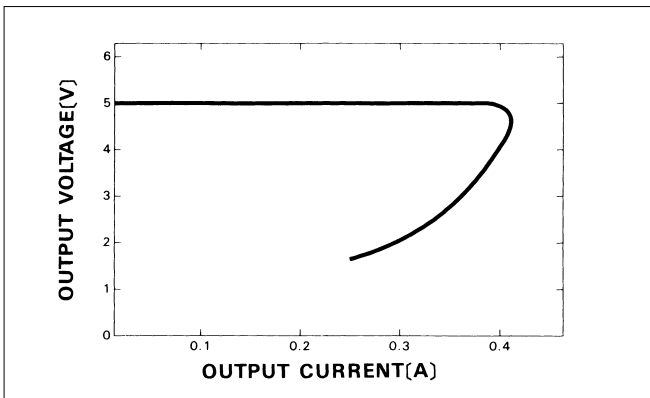
■STATIC CHARACTERISTICS (ZS1R52405)



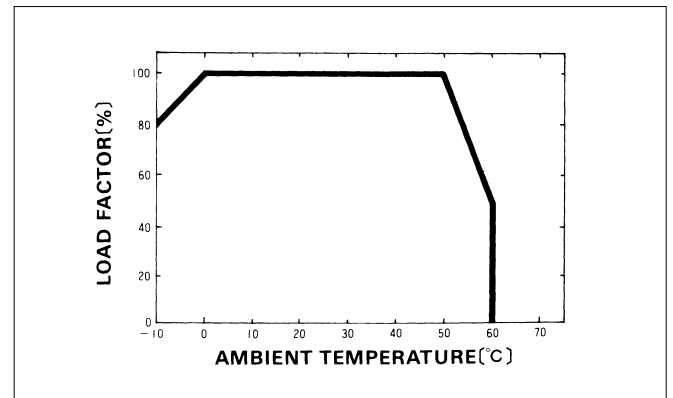
■RISE TIME & FALL TIME (ZS1R52405)



■OVERCURRENT CHARACTERISTICS (ZS1R52405)



■DERATING CURVE



Z