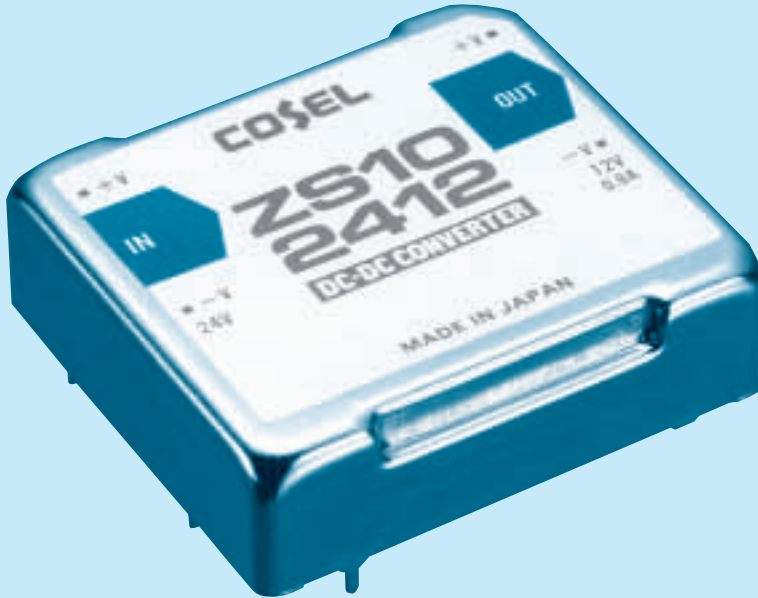


RoHS

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



MODEL	ZS100505	ZS100512	ZS100515	ZS101205	ZS101212	ZS101215	ZS102405	ZS102412	ZS102415	ZS104805	ZS104812	ZS104815
MAX OUTPUT WATTAGE[W]	8.0	8.4	9.0	10.0	10.8	10.5	10.0	10.8	10.5	10.0	10.8	10.5
DC OUTPUT	VOLTAGE[V]	5	12	15	5	12	15	5	12	15	5	12
	CURRENT[A]	1.6	0.7	0.6	2.0	0.9	0.7	2.0	0.9	0.7	2.0	0.9

SPECIFICATIONS

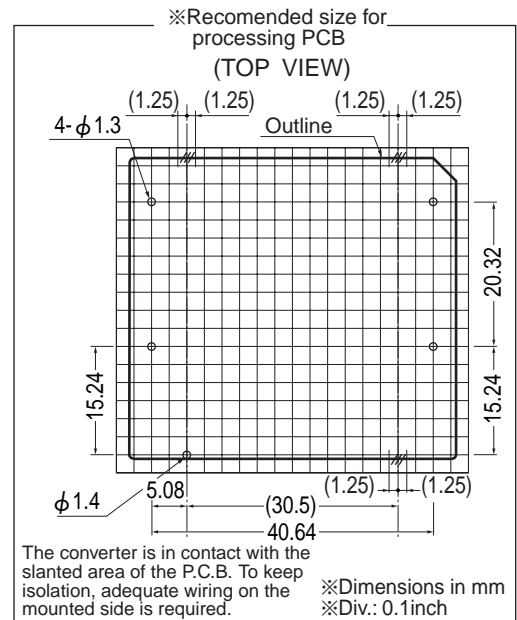
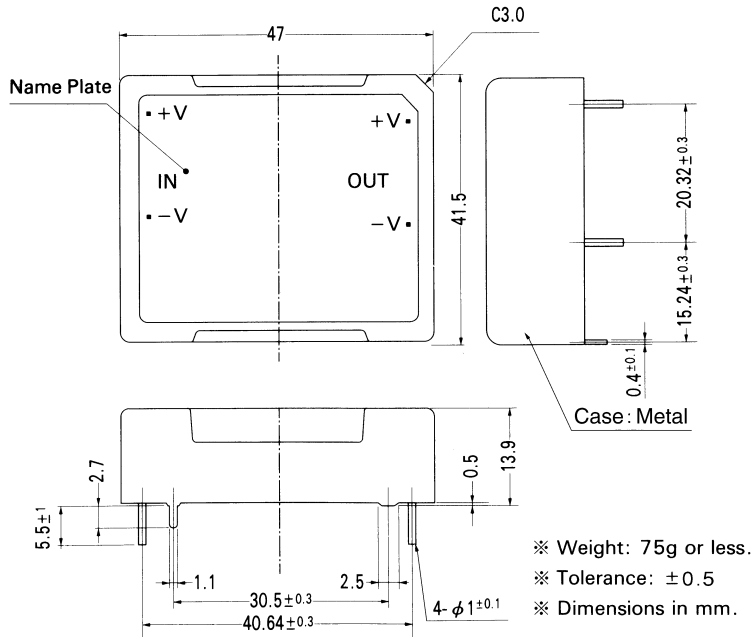
	MODEL	ZS100505	ZS100512	ZS100515	ZS101205	ZS101212	ZS101215	ZS102405	ZS102412	ZS102415	ZS104805	ZS104812	ZS104815
INPUT	VOLTAGE[V]	5 (4.5 - 6.0)			12 (10 - 15)			24 (20 - 30)			48 (35 - 63)		
	CURRENT[A]	*1 2.220typ	2.340typ	2.500typ	1.042typ	1.125typ	1.092typ	0.521typ	0.563typ	0.546typ	0.260typ	0.281typ	0.273typ
	EFFICIENCY[%]	72typ	72typ	72typ	80typ	80typ	80typ	80typ	80typ	80typ	80typ	80typ	80typ
OUTPUT	VOLTAGE[V]	5	12	15	5	12	15	5	12	15	5	12	15
	CURRENT[A]	1.6	0.7	0.6	2.0	0.9	0.7	2.0	0.9	0.7	2.0	0.9	0.7
	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 +55°C	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	120max
	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											
ISOLATION	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)											
	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +70°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											
	VIBRATION	10 - 55Hz, 98.0m/s ² (10G), 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.

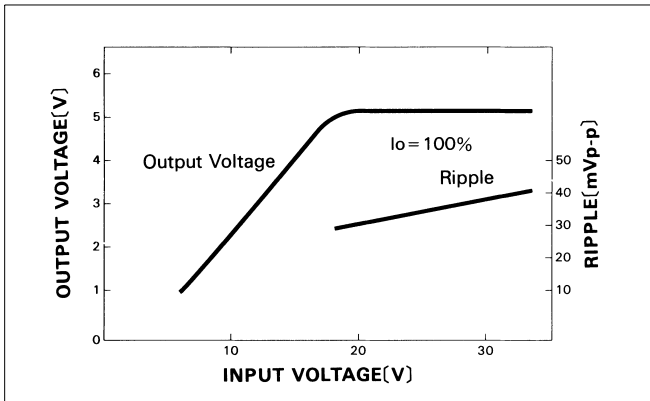
* Parallel operation with other model is not possible.

External view

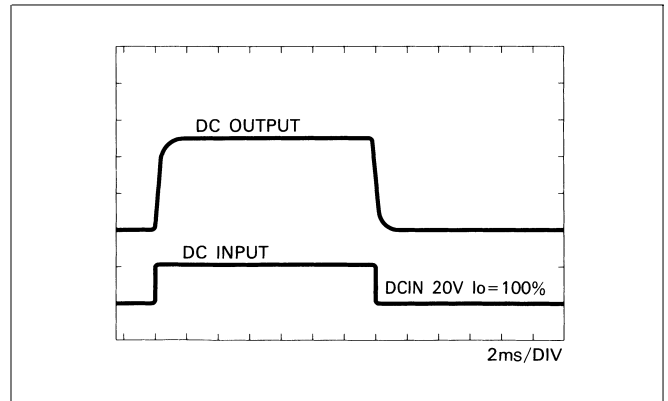


Performance data

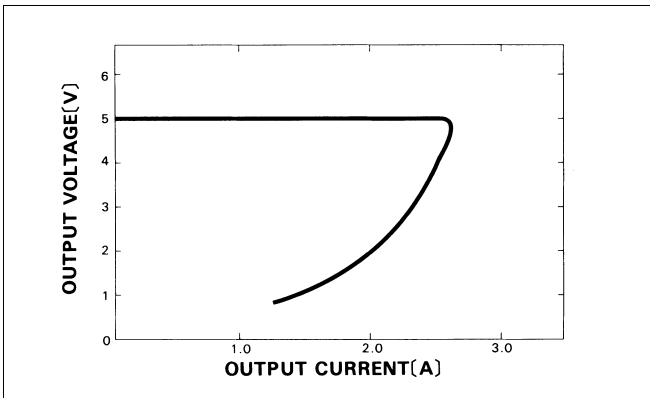
■ STATIC CHARACTERISTICS (ZS102405)



■ RISE TIME & FALL TIME (ZS102405)



■ OVERCURRENT CHARACTERISTICS (ZS102405)



■ DERATING CURVE

