

**TRCELECTRONICS, INC.****"Authorized Distributor"**

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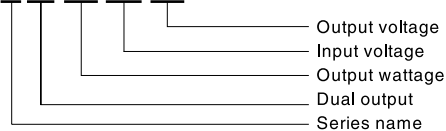
sales@trcelectronics.com

<http://www.trcelectronics.com>

Contact TRC for pricing,
availability, and technical
assistance.

Z Series DC-DC converter designed
for small size and high reliability

- Isolated between input- output
- Built- in overcurrent protection circuit
- Small and compact size
- Five- year warranty

ORDERING INFORMAT**ZW100512****SPECIFICATIONS**

Output pins can be connected in series to make a 24V/ 30V output.

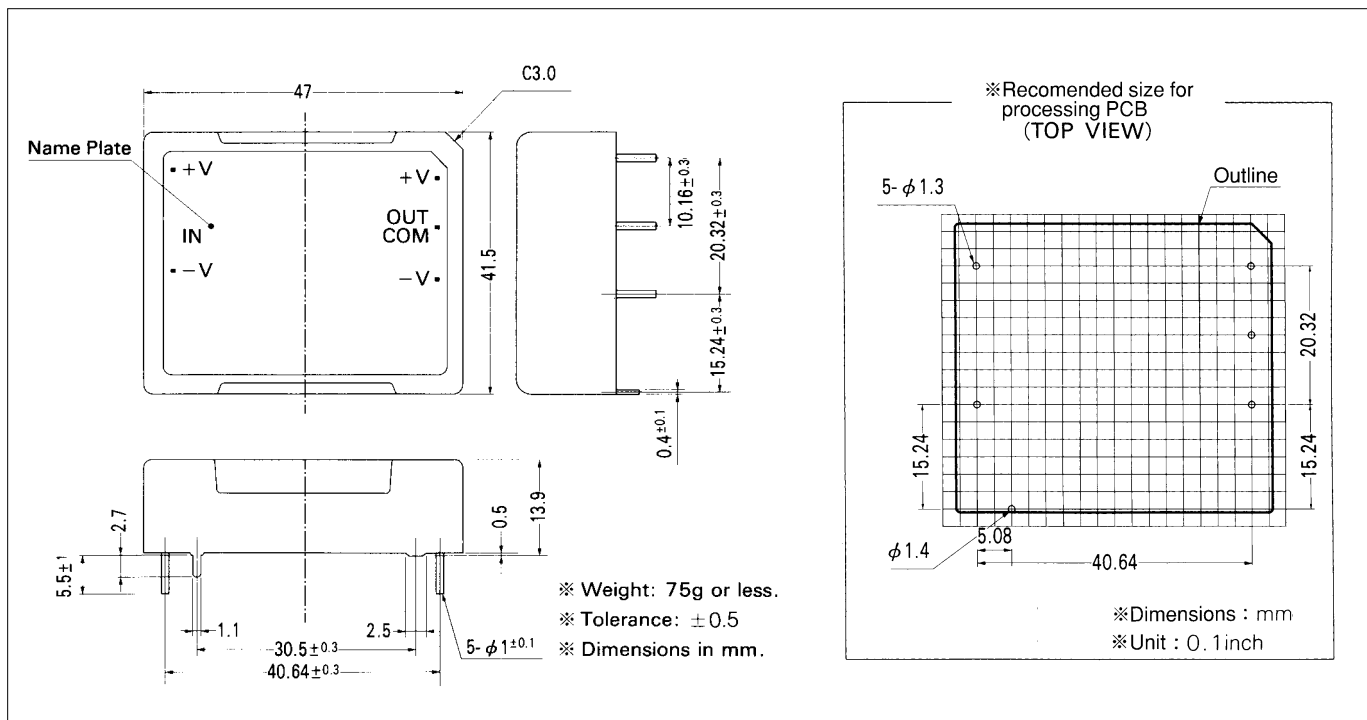
	MODEL	ZW100512	ZW100515	ZW101212	ZW101215	ZW102412	ZW102415	ZW104812	ZW104815
INPUT	VOLTAGE [V]	5 (4.5~6.0)		12 (10~15)		24 (20~30)		48 (35~63)	
	EFFICIENCY [%]	72typ		80 typ		80 typ		80typ	
Z OUTPUT	VOLTAGE [V]	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)
	CURRENT [A]	0.35	0.3	0.45	0.35	0.45	0.35	0.45	0.35
	LINE REGULATION [mV]	60max	75max	60max	75max	60max	75max	60max	75max
	LOAD REGULATION [mV]	600max	750max	600max	750max	600max	750max	600max	750max
	RIPPLE [mVp-p]	120max		120max		120max		120max	
	RIPPLE NOISE [mVp-p]	120max		120max		120max		120max	
	TEMPERATURE COEFFICIENT [mV] 0~+55°C	120max	150max	120max	150max	120max	150max	120max	150max
	OUTPUT VOLTAGE SET (FIXED) [%]	±5 max (Rated input / output, Ta=25 °)							
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
ISOLATION	INPUT, OUTPUT, CASE	AC500V, 1 minute, Cutoff current=10mA, DC500V, 50M Ω min. (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP. AND HUMID.	- 10 ~ + 70 ° , 20~90% RH(Non condensing) (Refer to DERATING CURVE)							
	STORAGE TEMP. AND HUMID.	- 20 ~ + 75 ° , 20~90% RH(Non condensing)							
	VIBRATION	10~55Hz, 10G, 3 minutes period, 30 minutes along X, Y and Z axis							
	IMPACT	50G, 11mS, once each X, Y and Z axis							

† The output specification is at ±12V and ±15V.

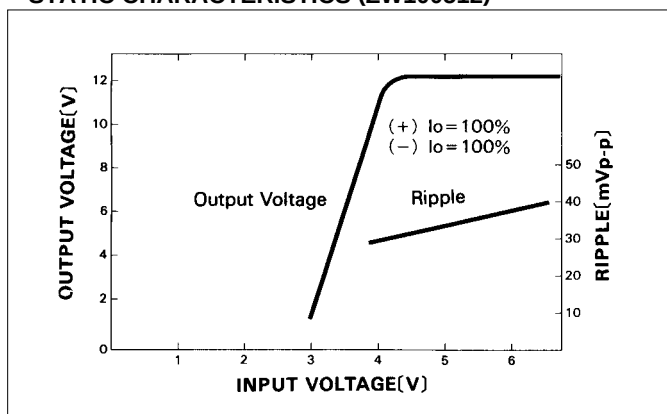
† Parallel operation with other model is not possible.

MODEL	ZW10				ZW10			
	0512	1212	2412	4812	0515	1215	2415	4815
MAX OUTPUT WATTAGE	8.4W	10.8W	9.0W	10.5W	9.0W	10.5W	9.0W	10.5W
DC OUTPUT VOLTAGE	$\pm 12V (+24V)$				$\pm 15V (+30V)$			
DC OUTPUT CURRENT	0.35A	0.45A	0.30A	0.35A	0.30A	0.35A	0.30A	0.35A

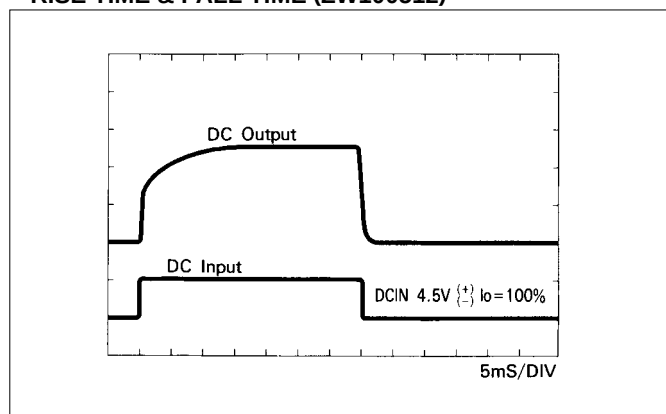
EXTERNAL VIEW



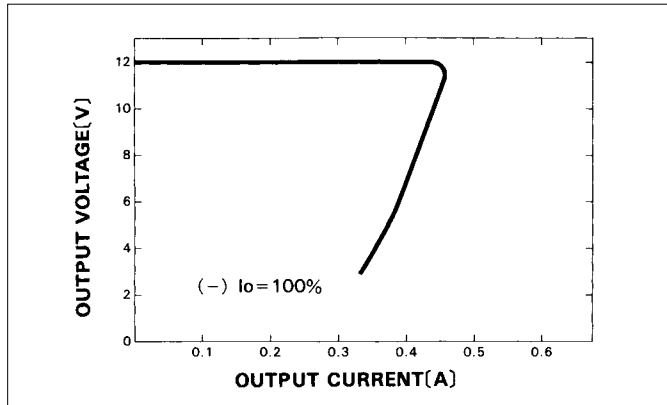
STATIC CHARACTERISTICS (ZW100512)



RISE TIME & FALL TIME (ZW100512)



OVERCURRENT CHARACTERISTICS (ZW100512)



DERATING CURVE

