

ZW6

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

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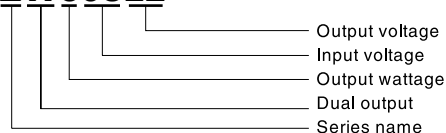
sales@trcelectronics.com

<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**ZW60512****SPECIFICATIONS**

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

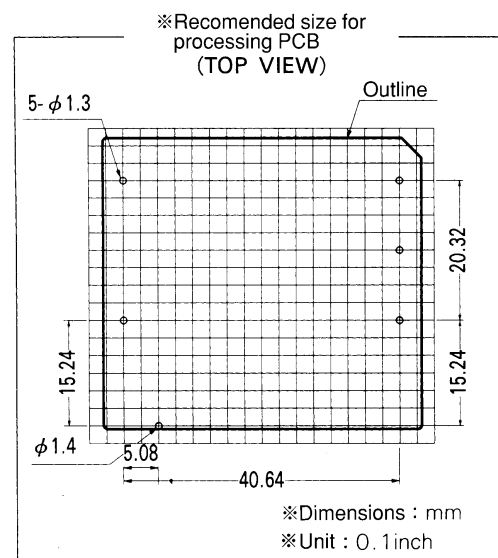
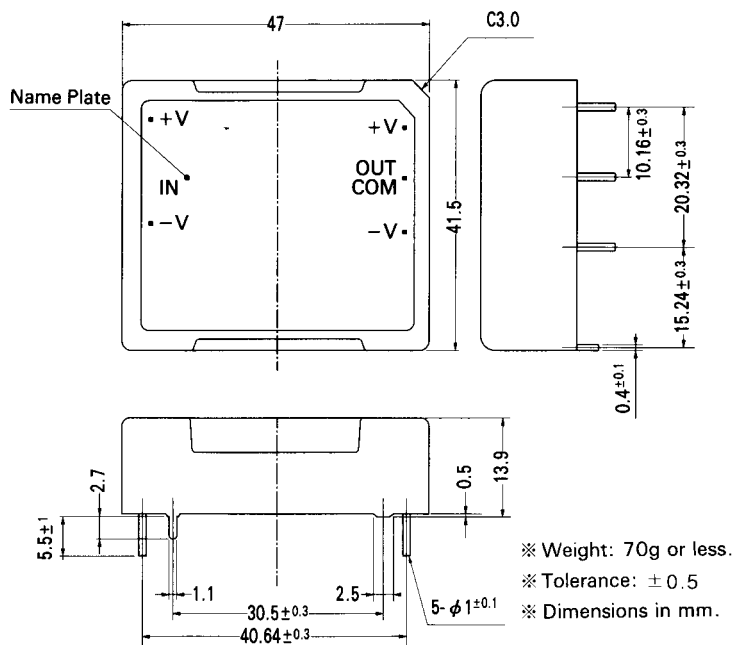
	MODEL	ZW60512	ZW60515	ZW61212	ZW61215	ZW62412	ZW62415	ZW64812	ZW64815
INPUT	VOLTAGE [V]	5 (4.5~6.0)		12 (10~15)		24 (20~30)		48 (35~63)	
	EFFICIENCY [%]	65 typ		70 typ		74 typ		70 typ	
Z OUTPUT	VOLTAGE [V]	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)
	CURRENT [A]	0.25	0.2	0.25	0.2	0.25	0.2	0.25	0.2
	LINE REGULATION [mV]	60 max	75 max	60 max	75 max	60 max	75 max	60 max	75 max
	LOAD REGULATION [mV]	600 max	750 max	600 max	750 max	600 max	750 max	600 max	750 max
	RIPPLE [mVp-p]	120 max		120 max		120 max		120 max	
	RIPPLE NOISE [mVp-p]	120 max		120 max		120 max		120 max	
	TEMPERATURE COEFFICIENT [mV] 0~+50°C	120 max	150 max	120 max	150 max	120 max	150 max	120 max	150 max
	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 [?] min. (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP. AND HUMID.	- 10~+60 [°] , 20~90% RH(Non condensing) (Refer to DERATING CURVE)							
	STORAGE TEMP. AND HUMID.	- 20~+75 [°] , 20~90% RH(Non condensing)							
	VIBRATION	10~55Hz, 2G, 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.

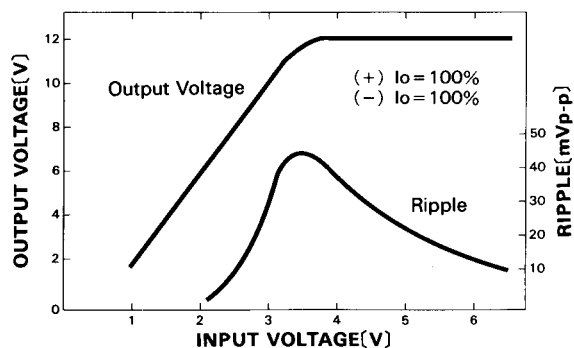
† Parallel operation with other model is not possible.

MODEL	ZW6	ZW6
	0512 1212 2412 4812	0515 1215 2415 4815
MAX OUTPUT WATTAGE	6.0 W	6.0 W
DC OUTPUT VOLTAGE	± 12 V (+ 24 V)	± 15 V (+ 30 V)
DC OUTPUT CURRENT	0.25 A	0.2 A

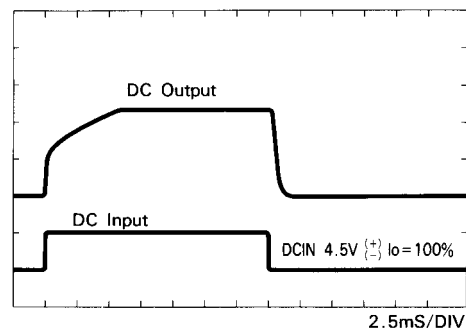
EXTERNAL VIEW



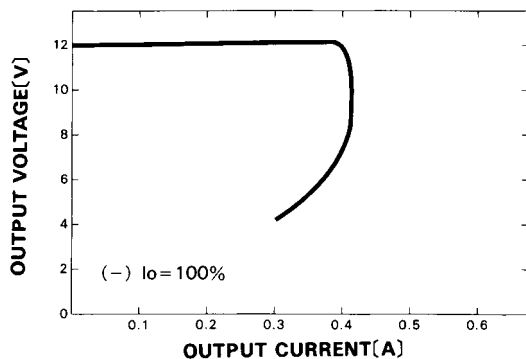
STATIC CHARACTERISTICS (ZW60512)



RISE TIME & FALL TIME (ZW60512)



OVERCURRENT CHARACTERISTICS (ZW60512)



DERATING CURVE

