

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

135 Pasadena Ave.

Lodi, NJ 07644 USA

Tel: (973) 779-8282

Fax: (973) 779-1490

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 INFORMATION**ZS60512**

Output voltage
Input voltage
Output wattage
Single output
Series name

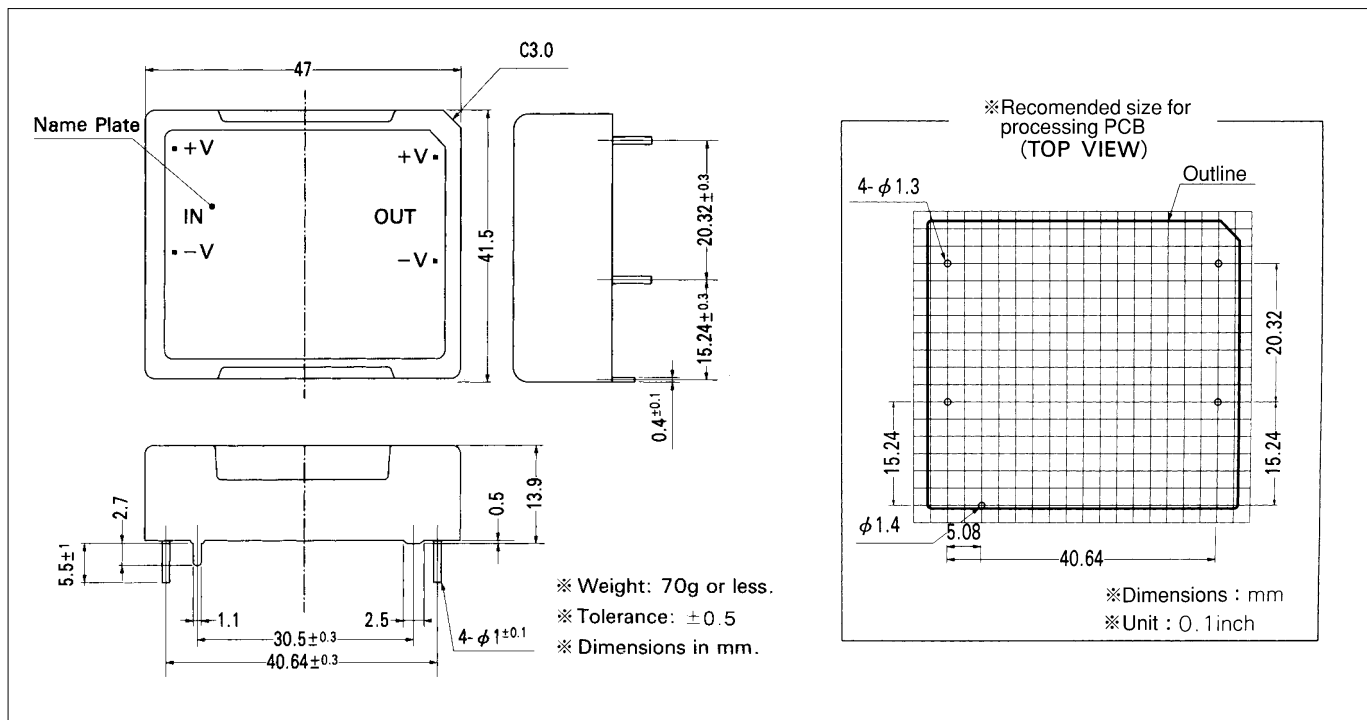
SPECIFICATIONS

	MODEL	ZS60505	ZS60512	ZS60515	ZS61205	ZS61212	ZS61215	ZS62405	ZS62412	ZS62415	ZS64805	ZS64812	ZS64815
INPUT	VOLTAGE [V]	5 (4.5~6.0)			12 (10~15)			24 (20~30)			48 (35~63)		
	EFFICIENCY [%]	65 typ			68 typ	70 typ		70 typ	74 typ		70 typ		
OUTPUT	VOLTAGE [V]	5	12	15	5	12	15	5	12	15	5	12	15
	CURRENT [A]	1	0.5	0.4	1	0.5	0.4	1	0.5	0.4	1	0.5	0.4
	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]	100max	120max		100max	120max		100max	120max		100max	120max	
	RIPPLE NOISE [mVp-p]	120max			120max			120max			120max		
	TEMPERATURE COEFFICIENT 0~+50℃ [mV]	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	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 [?] 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											

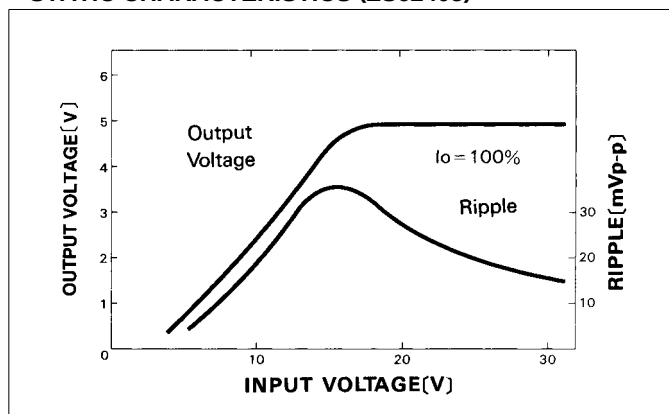
¶ Parallel operation with other model is not possible.

MODEL	ZS6				ZS6				ZS6			
	0505	1205	2405	4805	0512	1212	2412	4812	0515	1215	2415	4815
MAX OUTPUT WATTAGE	5.0 W				6.0 W				6.0 W			
DC OUTPUT VOLTAGE	5 V				12 V				15 V			
DC OUTPUT CURRENT	1.0 A				0.5 A				0.4 A			

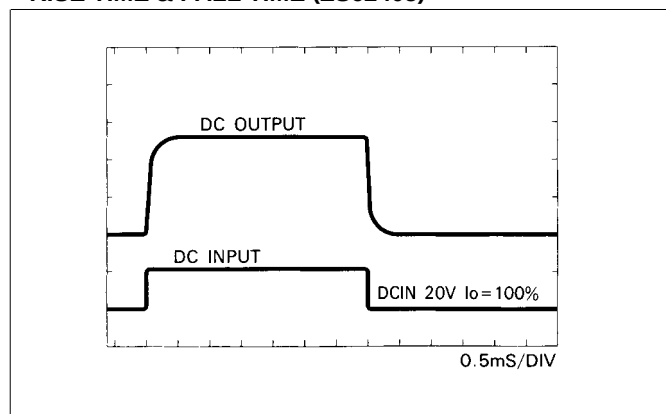
EXTERNAL VIEW



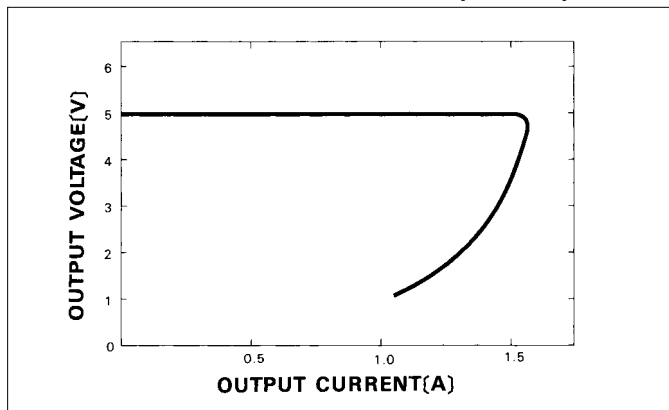
STATIC CHARACTERISTICS (ZS62405)



RISE TIME & FALL TIME (ZS62405)



OVERCURRENT CHARACTERISTICS (ZS62405)



DERATING CURVE

