

ZS10

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

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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**ZS100512**

Output voltage
Input voltage
Output wattage
Single output
Series name

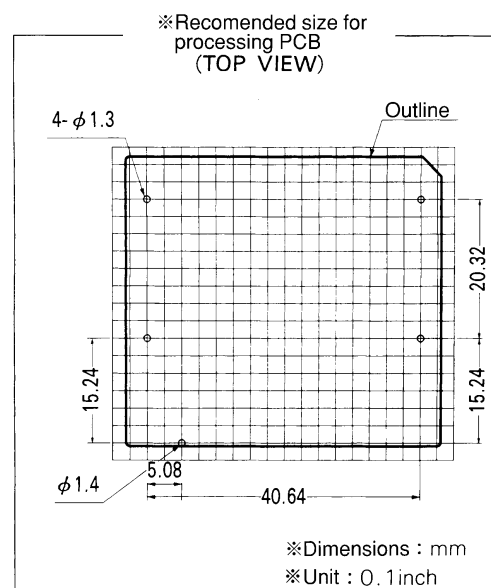
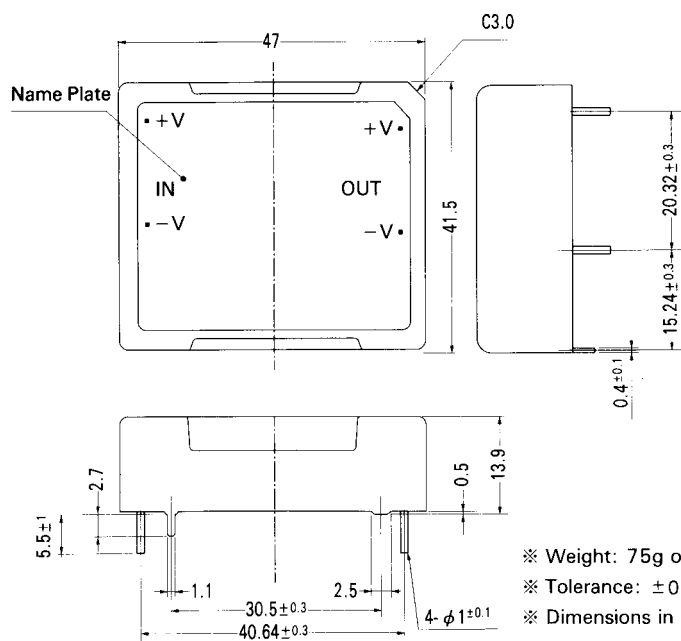
SPECIFICATIONS

	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)		
	EFFICIENCY [%]	72 typ			80 typ			80 typ			80 typ		
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]	100max	120max		100max	120max		100max	120max		100max	120max	
	RIPPLE NOISE [mVp-p]	120max			120max			120max			120max		
	TEMPERATURE COEFFICIENT 0 ~+550c [mV]	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	120max	150max
PROTECTION CIRCUIT	OUTPUT VOLTAGE SET(FIXED) [%]	±5max(Rated input/ output, Ta=25 ^a)											
	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~+70 ^a , 20~90% RH(Non condensing) (Refer to DERATING CURVE)											
	STORAGE TEMP. AND HUMID.	- 20~+75 ^a , 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											

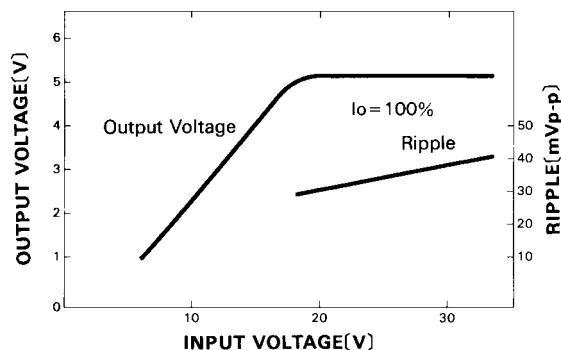
¶ Parallel operation with other model is not possible.

MODEL	ZS10				ZS10				ZS10															
	0505	1205	2405	4805	0512	1212	2412	4812	0515	1215	2415	4815												
MAX OUTPUT WATTAGE	8 W				10.0 W				8.4 W				10.8 W				9.0 W				10.5 W			
DC OUTPUT VOLTAGE	5 V								12 V								15 V							
DC OUTPUT CURRENT	1.6 A		2.0 A		0.7 A		0.9 A		0.6 A		0.7 A													

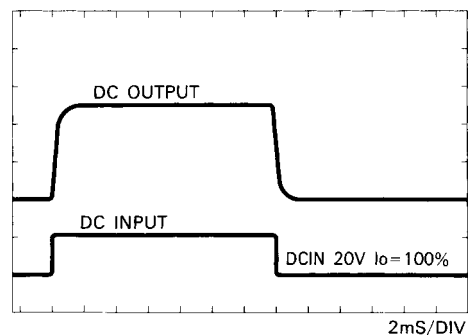
EXTERNAL VIEW



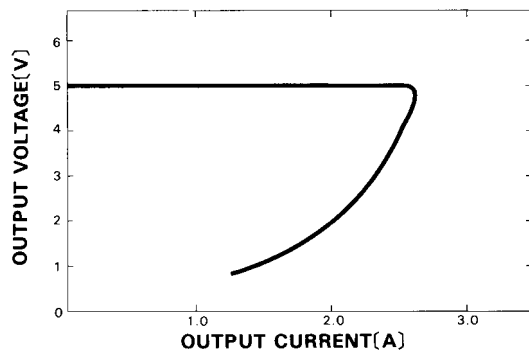
STATIC CHARACTERISTICS (ZS102405)



RISE TIME & FALL TIME (ZS102405)



OVERCURRENT CHARACTERISTICS (ZS102405)



DERATING CURVE

