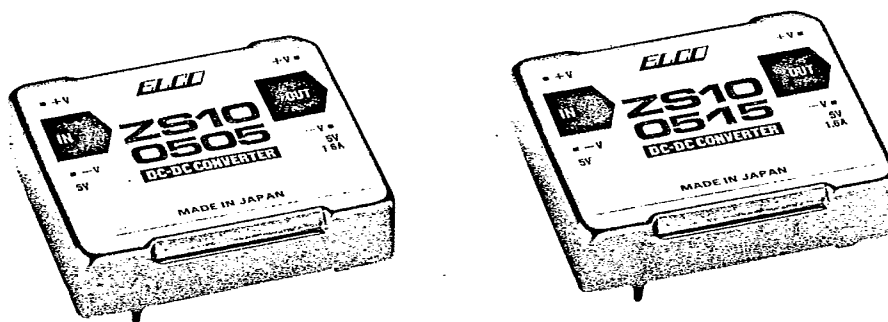


NEW

Z SERIES DC-DC CONVERTER

ZS10 10W Single Output

SUPERTEK


Z Series DC-DC Converter. Designed for Small Size and High Reliability.

- Isolated Output.
- Over Current Protection.
- Small, Compact size.

ORDERING INFORMATION

ZS100512


SPECIFICATIONS

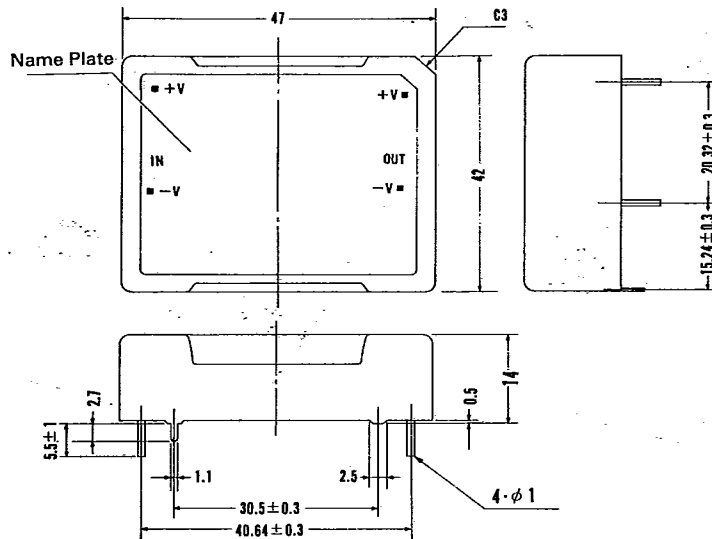
型名	MODEL	ZS100505	ZS100512	ZS100515	ZS101205	ZS101212	ZS101215	ZS102405	ZS102412	ZS102415
INPUT	VOLTAGE (V)	5 (4.5 ~ 6.0)			12 (10 ~ 15)			24 (20 ~ 30)		
	EFFICIENCY (%)	72 typ			80 typ			80 typ		
OUTPUT	VOLTAGE (V)	5	12	15	5	12	15	5	12	15
	CURRENT (A)	1.6	0.7	0.6	2.0	0.9	0.7	2.0	0.9	0.7
	REGULATION LINE (mV)	25max	60max	75max	25max	60max	75max	25max	60max	75max
	REGULATION LOAD (mV)	50max	120max	150max	50max	120max	150max	50max	120max	150max
	RIPPLE (mVp-p)	100max	120max	120max	100max	120max	120max	100max	120max	120max
	RIPPLE NOISE (mVp-p)	120max	120max	120max	120max	120max	120max	120max	120max	120max
	TEMPERATURE (mV) DRIFT (0 ~ +55°C)	50max	120max	150max	50max	120max	150max	50max	120max	150max
PROTECTION CIRCUIT	OUTPUT VOLTAGE SETTING (%)	±5max								
	OVER CURRENT PROTECTION	Works at over 105% of rating and recovers automatically								
ELECTRICALLY ISOLATED	HIGH POT.	Input-Output, Input-Case, Output-Case AC500V 1minute(At room Temperature and Humidity)								
	ISOLATION	Input-Output, Input-Case, Output-Case DC500V 50MΩ(At room Temperature and Humidity)								
ENVIRONMENT	OPERATING TEMP. AND HUMID.	0 ~ +55°C, 20 ~ 90%RH(Non condensing)								
	STORAGE TEMP. AND HUMID.	-20 ~ +75°C, 20 ~ 90%RH(Non condensing)								
	VIBRATION	10 ~ 55Hz at 2G 3minutes period 30minutes along X, Y and Zaxis								
	IMPACT	50G for 11ms, once on each X, Y, Zaxis								

* No parallel operation is permitted.

ZS10

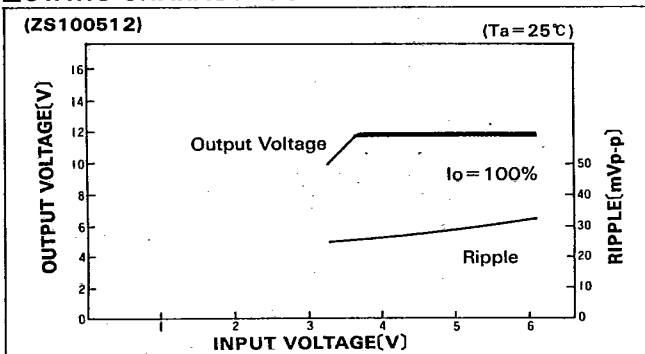
SUPERTEK

■ EXTERNAL VIEW

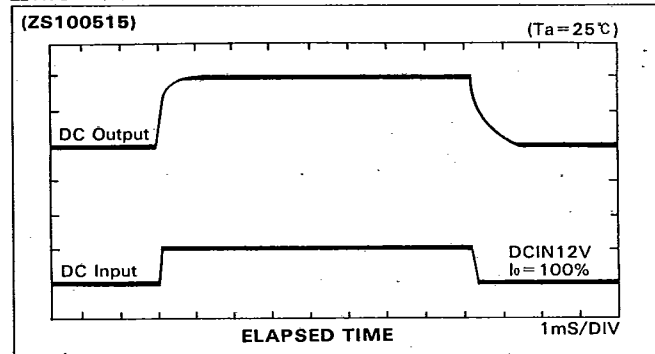


* Weight: 75g or less.
* Tolerance: ± 1.0
* Dimension in mm.

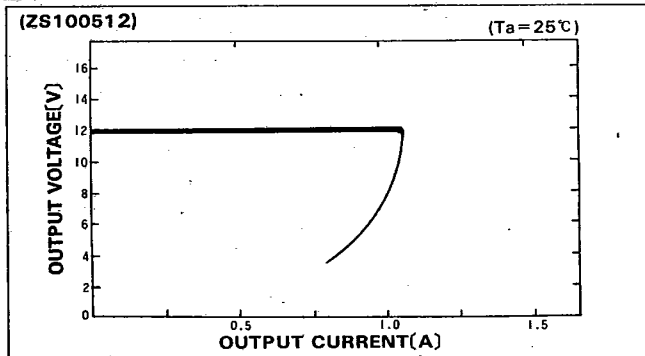
■ STATIC CHARACTERISTICS



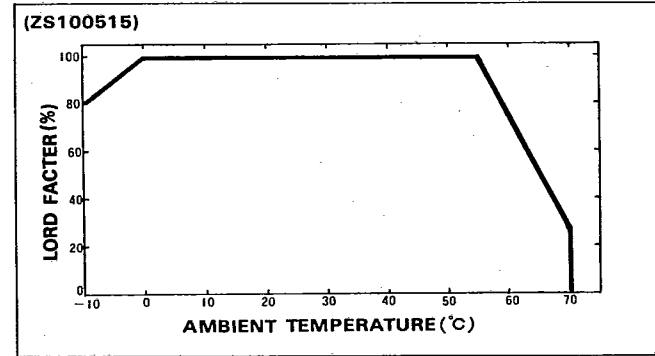
■ RISE TIME & FALL TIME



■ OUTPUT CURRENT V.S. OUTPUT VOLTAGE



■ POWER DERATING CURVE



※Z series switching power supplies are warranted for one year period.
※.All the above specifications are subject to change without notice.