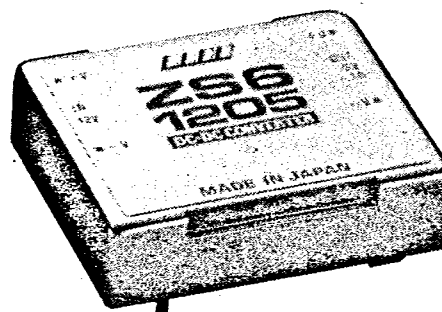
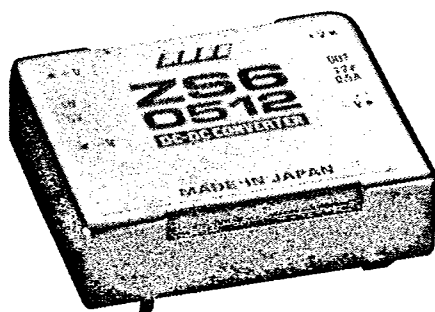


Z SERIES DC-DC CONVERTER

ZS6 6W Single output

SUPERTEK

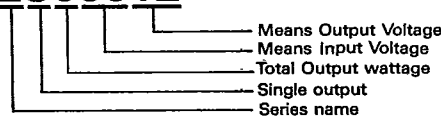


Z series DC-DC converter is designed for Small size, high reliability and high quality use.

- Isolated output.
- Over current protection.
- Small and compact size.

NAMING

ZS60512



SPECIFICATIONS

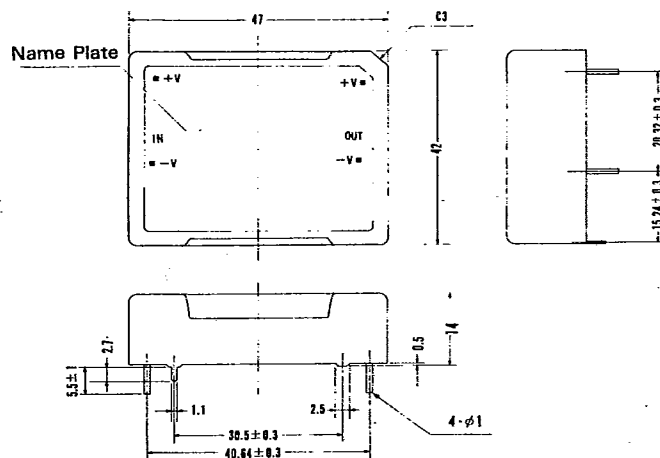
	MODEL	ZS60505	ZS60512	ZS60515	ZS61205	ZS61212	ZS61215	ZS62405	ZS62412	ZS62415
INPUT	VOLTAGE (V)	5(4.5~6.0)			12(10~15)			24(20~30)		
	EFFICIENCY (%)	65typ	65typ	65typ	68typ	70typ	70typ	70typ	74typ	74typ
OUTPUT	VOLTAGE (V)	5	12	15	5	12	15	5	12	15
	CURRENT (A)	1	0.5	0.4	1	0.5	0.4	1	0.5	0.4
	REGULATION 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) DRIFTING 0~+50°C	50max	120max	150max	50max	120max	150max	50max	120max	150max
	OUTPUT VOLTAGE SETTING (%)	± 5 max of nominal Voltage								
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works over 105% of rating and recovers automatically								
ELECTRICALLY ISOLATED	HIGH POT.	Input—Output, Input—Case, Output—Case AC500V 1minute (At room Temp. and Humid.)								
	ISOLATION	Input—Output, Input—Case, Output—Case DC500V 50M ohm (At room Temp. and Humid.)								
ENVIRONMENT	OPERATING TEMP. AND HUMID.	0~+50°C, 20~90%RH (Non condensing)								
	STORAGE TEMP. AND HUMID.	-20~+75°C, 20~90%RH (Non condensing)								
	VIBRATION	10~55Hz and 2G 3minutes periods. 30 minutes along X, Y and Z directions.								
	IMPACT	20G 11ms, once each X, Y, Z directions.								

*No parallel operation is permitted.

ZS6

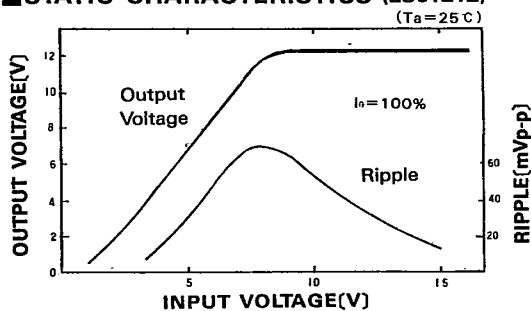
SUPERTEK

EXTERNAL VIEW

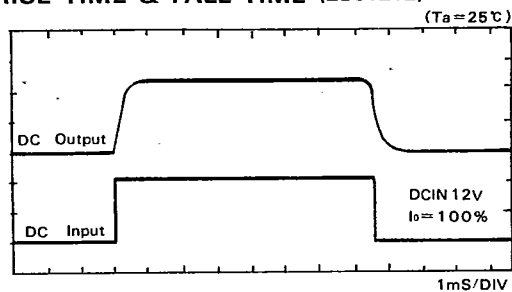


(mm)
* Weight : 70g or less.

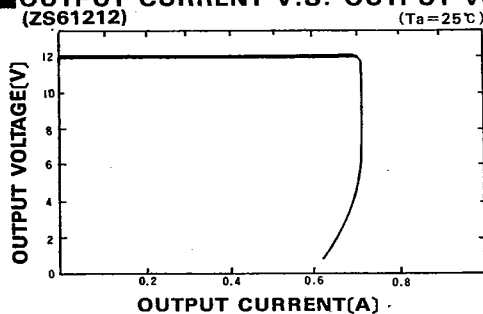
STATIC CHARACTERISTICS (ZS61212)



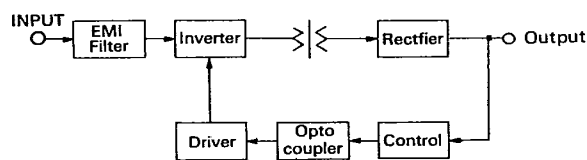
RISE TIME & FALL TIME (ZS61212)



OUTPUT CURRENT V.S. OUTPUT VOLTAGE (ZS61212)



BLOCK DIAGRAM



* Z series switching power supply is warranted for one year period.
* Above all specifications are subject to change for improvement without notice.