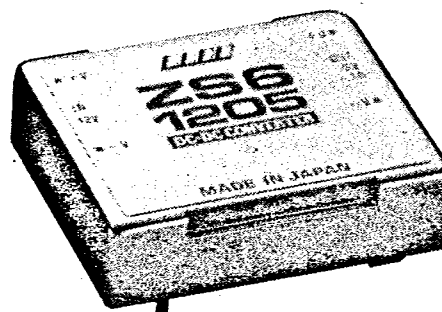
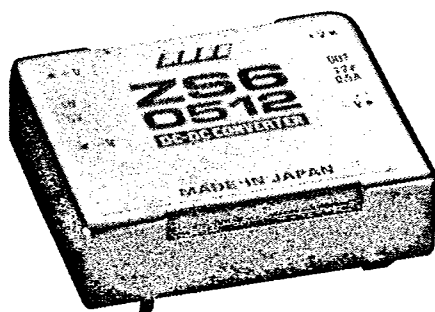


Z SERIES DC-DC CONVERTER

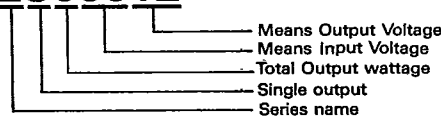
ZS6 6W Single output

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

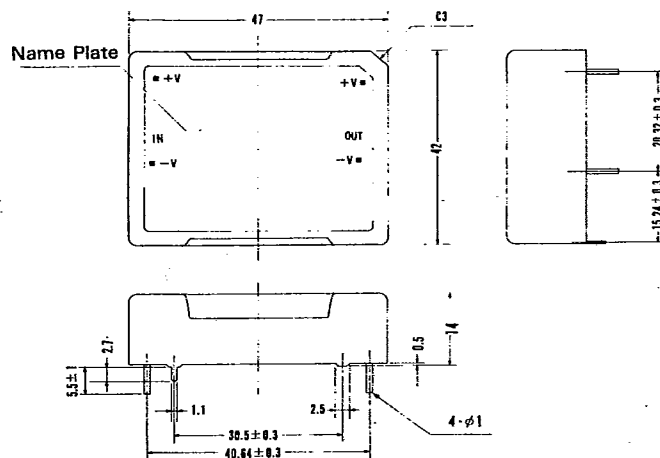
	MODEL	ZS60505	ZS60512	ZS60515	ZS61205	ZS61212	ZS61215	ZS62405	ZS62412	ZS62415
INPUT	VOLTAGE (V)	5(4.5~6.0)			12(10~15)			24(20~30)		
	EFFICIENCY (%)	65typ	65typ	65typ	68typ	70typ	70typ	70typ	74typ	74typ
OUTPUT	VOLTAGE (V)	5	12	15	5	12	15	5	12	15
	CURRENT (A)	1	0.5	0.4	1	0.5	0.4	1	0.5	0.4
	REGULATION 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

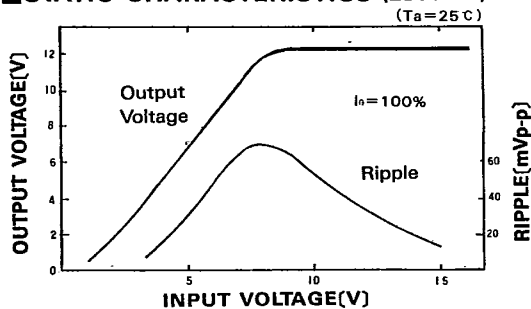
SUPERTEK

EXTERNAL VIEW

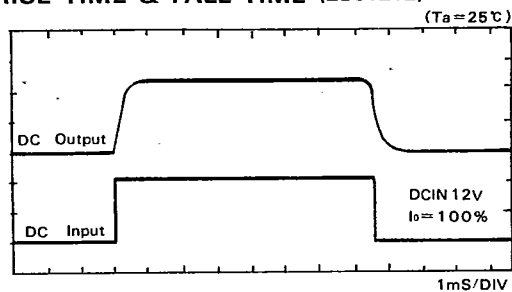


(mm)
* Weight : 70g or less.

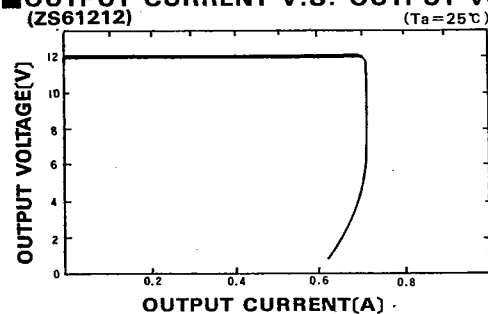
STATIC CHARACTERISTICS (ZS61212)



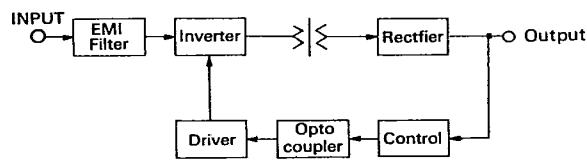
RISE TIME & FALL TIME (ZS61212)



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.