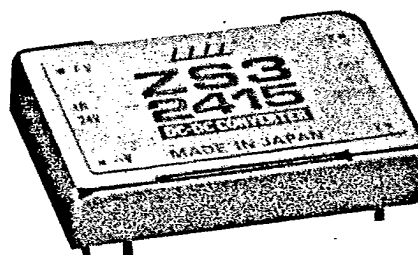
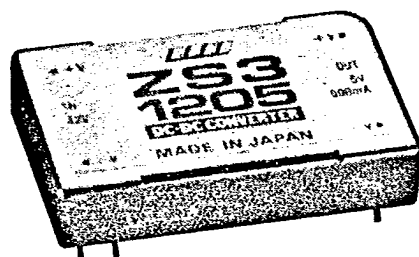


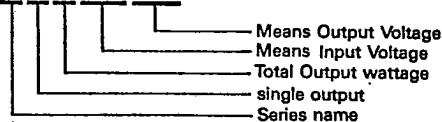
Z SERIES DC-DC CONVERTER

ZS3 3W Single output**SUPERTEK**

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

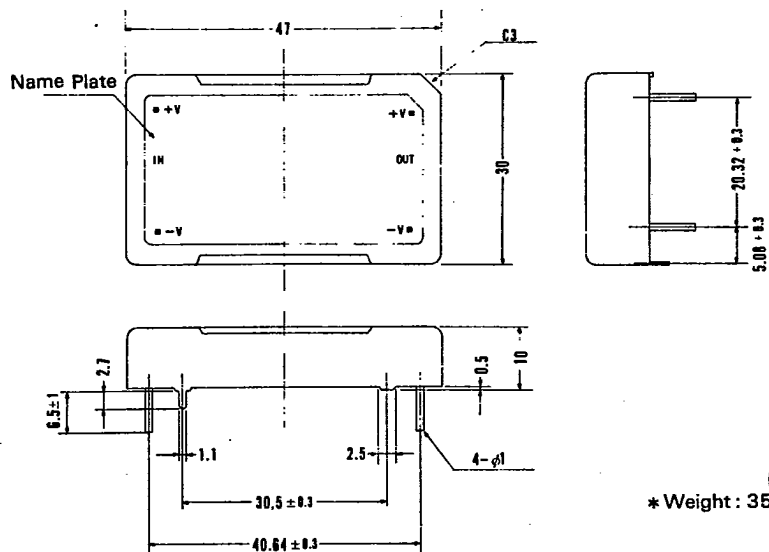
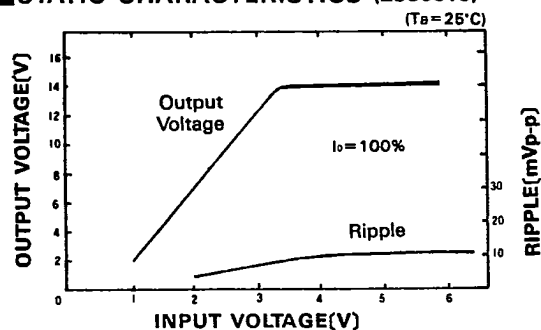
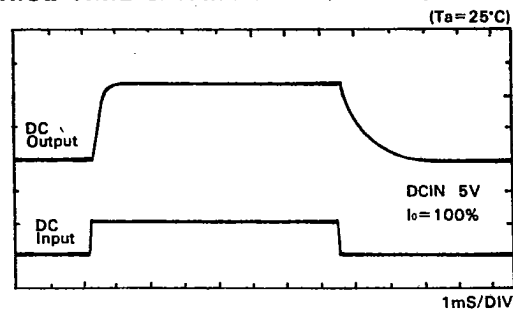
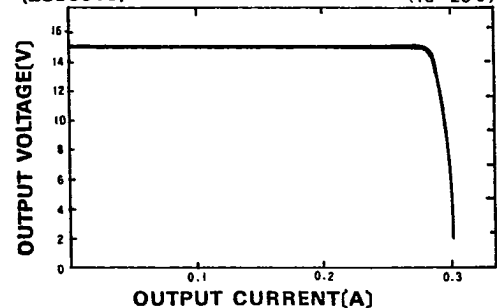
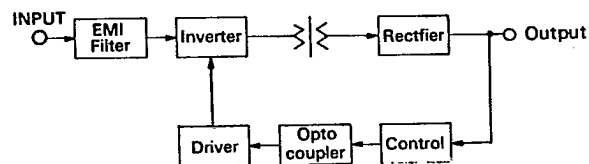
- Isolated output.
- Over current protection.
- Small and compact size.

■ NAMING

ZS30512

SPECIFICATIONS

	MODEL	ZS30505	ZS30512	ZS30515	ZS31205	ZS31212	ZS31215	ZS32405	ZS32412	ZS32415
INPUT	VOLTAGE (V)	5(4.5~6.0)			12(10~15)			24(20~30)		
	EFFICIENCY (%)	65typ	65typ	65typ	65typ	70typ	70typ	70typ	74typ	74typ
OUTPUT	VOLTAGE (V)	5	12	15	5	12	15	5	12	15
	CURRENT (A)	0.5	0.25	0.2	0.5	0.25	0.2	0.5	0.25	0.2
	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 DRIFTING (mV) 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 DC500V 50M ohm (At room Temp. and Humid.)								
	ISOLATION	Input-Output, Input-Case, Output-Case AC500V 1minute (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.								

ZS3**SUPERTEK****EXTERNAL VIEW****STATIC CHARACTERISTICS (ZS30515)****RISE TIME & FALL TIME (ZS30515)****OUTPUT CURRENT V.S. OUTPUT VOLTAGE (ZS30515)****BLOCK DIAGRAM**

* Z series switching power supply is warranted for one year period.

* Above all specifications are subject to change for improvement without notice.