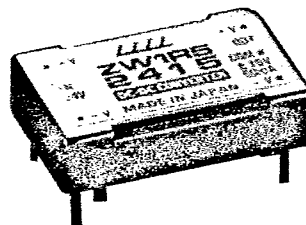
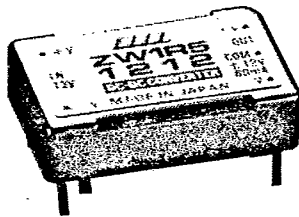


Z SERIES DC-DC CONVERTER

# ZW1R5 1.5W Dual output

**SUPERTEK**

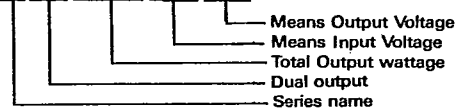


Z series DC-DC converter is designed for Small size, high reliability and high quality use.

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

■ NAMING

**ZW1R50512**



## SPECIFICATIONS

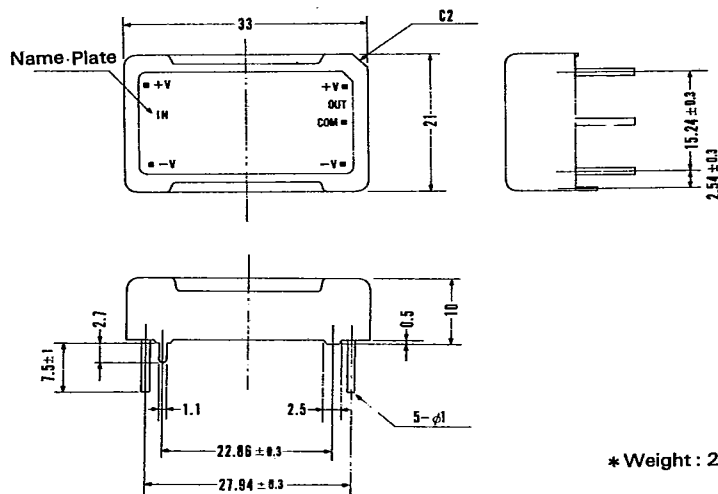
	MODEL	ZW1R50512	ZW1R50515	ZW1R51212	ZW1R51215	ZW1R52412	ZW1R52415
INPUT	VOLTAGE (V)	5(4.5~6.0)		12(10~15)		24(20~30)	
	EFFICIENCY (%)	60typ	60typ	65typ	65typ	65typ	65typ
OUTPUT	VOLTAGE (V)	±12	±15	±12	±15	±12	±15
	CURRENT (A)	0.06	0.05	0.06	0.05	0.06	0.05
	REGULATION LINE (mV)	60max	75max	60max	75max	60max	75max
	REGULATION LOAD (mV)	600max	750max	600max	750max	600max	750max
	RIPPLE (mVp-p)	120max	120max	120max	120max	120max	120max
	RIPPLE NOISE (mVp-p)	120max	120max	120max	120max	120max	120max
	TEMPERATURE (mV) DRIFTING 0~+50°C	120max	150max	120max	150max	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.

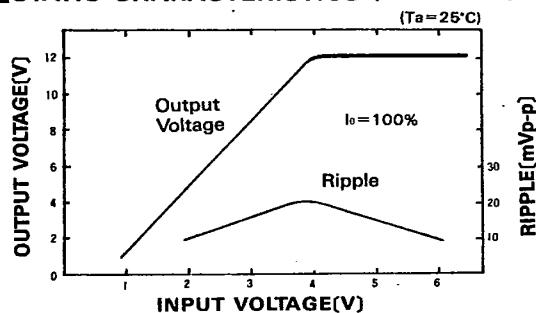
# ZW1R5

**SUPERTEK**

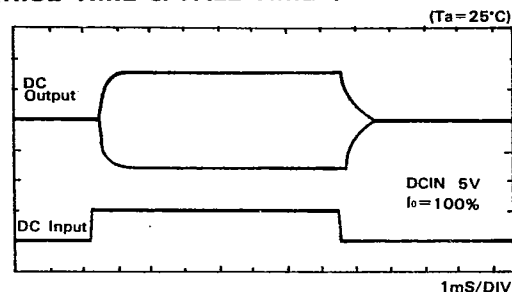
## EXTERNAL VIEW



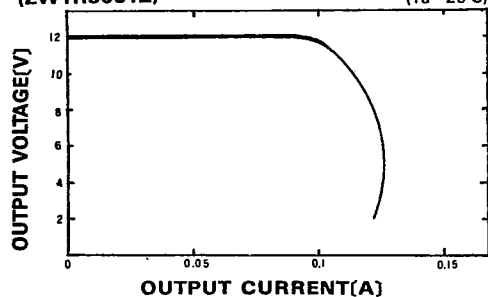
## STATIC CHARACTERISTICS (ZW1R50512)



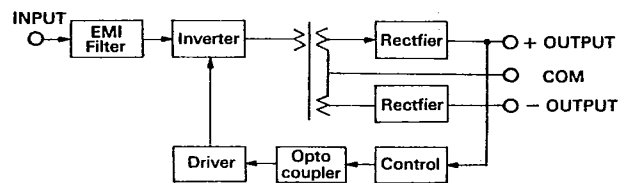
## RISE TIME & FALL TIME (ZW1R50512)



## OUTPUT CURRENT V.S. OUTPUT VOLTAGE (ZW1R50512)



## BLOCK DIAGRAM



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

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