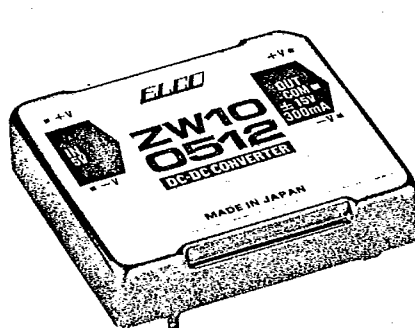


NEW

Z SERIES DC-DC CONVERTER

ZW10 10W Dual Output**SUPERTEK**

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

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

ORDERING INFORMATION**ZW100512****SPECIFICATIONS**

	MODEL	ZW100512	ZW100515	ZW101212	ZW101215	ZW102412	ZW102415
INPUT	VOLTAGE (V)	5 (4.5~6.0)		12 (10~15)		24 (20~30)	
	EFFICIENCY (%)	72 typ		80 typ		80 typ	
OUTPUT	VOLTAGE (V)	±12	±15	±12	±15	±12	±15
	CURRENT (A)	0.35	0.3	0.45	0.35	0.45	0.35
	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 DRIFT (0~+55°C) (mV)	120max	150max	120max	150max	120max	150max
	OUTPUT VOLTAGE SETTING (%)	±5max					
PROTECTION CIRCUIT	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.

SUPERTEK[illegible]

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

Graph showing Output Voltage (V) and Ripple (mVp-p) versus Input Voltage (V) for the ZW100515 converter at $T_a = 25^\circ\text{C}$. The graph includes two curves: Output Voltage and Ripple. The Output Voltage curve shows a regulation error of $\pm 0.5\%$ at $I_o = 100\%$. The Ripple curve shows a ripple of $\pm 1.0\%$ at $I_o = 100\%$.

Input Voltage (V)	Output Voltage (V)	Ripple (mVp-p)
3.5	12.5	20
4.0	15.0	22
6.0	15.0	25

(Ta = 25°C)

DC Output

DC Input

DCIN24V
Io = 100%

ELAPSED TIME

1mS/DIV

(ZW100515) (Ta = 25°C)

Output Current (A)	Output Voltage (V)
0.0	15.0
0.1	15.0
0.2	15.0
0.3	15.0
0.4	15.0
0.35	10.0
0.3	6.0
0.25	4.0

(ZW101215)

Ambient Temperature (°C)	Lord Factor (%)
-10	80
0	98
55	98
70	28

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