

Miniature (2.0" x 1.6" x 0.40")
Wide Input Voltage Range (9-36Vdc, 20-72Vdc)
Regulated DC/DC Converters
15 Watt

MWB15 SERIES

FEATURES:

- Wide Input Voltage Range
- Low Profile Package (2.0" x 1.6" x 0.40")
- High Efficiency
- Short Circuit Protection
- Over Voltage Protection
- Six-Sided Continuous Metal Shielding
- Epoxy Encapsulated
- Single and Dual Output Voltage



SPECIFICATIONS:

All specifications are typical at nominal input, full load, and 25° C unless otherwise noted.

INPUT:

Input Voltage Range
24V nominal..... 9 to 36 Vdc
48V nominal..... 20 to 72 Vdc
Input Filter..... Pi Network

OUTPUT:

Voltage Accuracy..... ± 2%
External Trim Adjustment Range..... 10% Min.
Line Regulation ± 0.1%
Load Regulation ± 1.0% (Single), ± 5.0% (Dual)
Temperature Coefficient..... ± 0.02%/° C
Output Noise and Ripple (20MHz BW)..... 75mV P-P Max., 15mV RMS Max.
Short Circuit Protection..... Indefinite

REMOTE ON/OFF CONTROL

On Control..... 5.5V Min. or Open
Off Control..... 1.8V Max. or Short

GENERAL:

Isolation Voltage..... 1500 Vdc, Min.
Isolation Resistance..... 10⁹ Ohms, Min.
Switching Frequency..... 270KHz, typ.

ENVIRONMENTAL:

Operating Temperature Range..... -25° C to +71° C
Storage Temperature Range..... -55° C to +125° C
Cooling..... Free-Air Convection
EMI/RFI..... Six-Sided Continuous Shield

PHYSICAL:

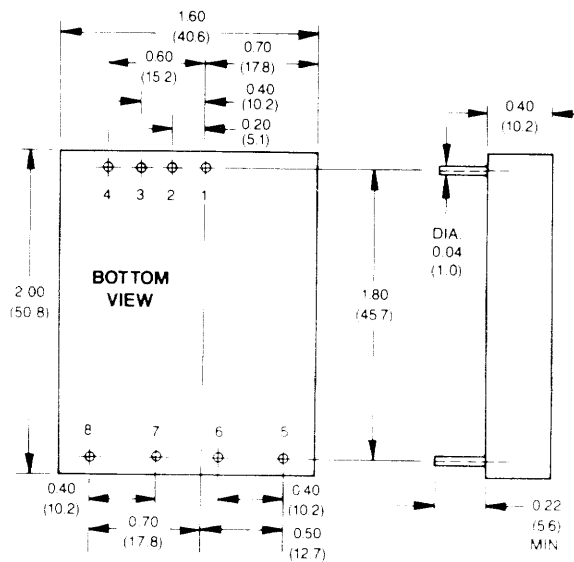
Dimensions..... 2.0 x 1.6 x 0.40 Inches
Case Material..... Nickel Coated Copper With Non-Conductive Base

MWB15 SERIES

REGULATED DC/DC CONVERTERS 15 WATT (CONTINUED)

4:1 INPUT RANGE	SINGLE VOLTAGE	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	% EFF	POLYTRON MODEL NUMBER	CASE	PRICE 1-9 QTY.
		9-36	5	3000mA	80	MWB15-12S5	M	\$79.00
9-36	12	1250mA	82	MWB15-12S12	M	\$79.00		
9-36	15	1000mA	82	MWB15-12S15	M	\$79.00		
9-36	5	3000mA	80	MWB15-24S5	M	\$79.00		
9-36	12	1250mA	82	MWB15-24S12	M	\$79.00		
9-36	15	1000mA	82	MWB15-24S15	M	\$79.00		
20-72	5	3000mA	80	MWB15-48S5	M	\$79.00		
20-72	12	1250mA	82	MWB15-48S12	M	\$79.00		
20-72	15	1000mA	82	MWB15-48S15	M	\$79.00		
DUAL VOLTAGE	9-36	±5	±1500mA	80	MWB15-24-5	M	\$83.00	
	9-36	±12	±625mA	82	MWB15-24-12	M	\$83.00	
	9-36	±15	±500mA	82	MWB15-24-15	M	\$83.00	
	20-72	±5	±1500mA	80	MWB15-48-5	M	\$83.00	
	20-72	±12	±625mA	82	MWB15-48-12	M	\$83.00	
	20-72	±15	±500mA	82	MWB15-48-15	M	\$83.00	

Pin Connections		
Pin #	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	No Pin	No Pin
4	On/Off	On/Off
5	No Pin	+Vout
6	+Vout	Common
7	Common	-Vout
8	Trim	Trim



ALL DIMENSIONS IN INCHES(mm)