

Miniature (1" x 2" x 0.4")
Wide Input Voltage Range (9-36Vdc, 18-72Vdc)
Regulated DC/DC Converters
7.5 Watt

LWA7.5 SERIES

FEATURES:

- Wide Input Voltage Range
- Low Profile Package (1" x 2" x 0.4")
- Input/Output Isolation
- Efficiency up to 86% @FL
- 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

Voltage Range.....

12 Vdc.....

24 Vdc.....

48 Vdc.....

9-18 Vdc	9-36 Vdc
18-36 Vdc	18-72 Vdc
36-72 Vdc	

OUTPUT:

Voltage Accuracy.....± 2% Max

Line Regulation,(@Full Load).....± 0.5% Max

Load Regulation,(Full Load to 1/2 Load).....± 0.5% Max

Ripple and Noise (20MHz BW).....5V 100mV, 12V/15V 1% P-P Max

Transient Response(Full Load to 1/2 Load).....200 microseconds max to 1% of final value

Protection.....Short Circuit Protection
Over Voltage Protection

GENERAL:

Efficiency (@FL).....Up to 86%

Isolation Voltage.....500 Vdc, Min.

Isolation Resistance.....1000 Mohms

Switching Frequency.....200KHz, typ.

ENVIRONMENTAL:

Operating Temperature Range.....-25° C to +71° C

Storage Temperature Range.....-40° C to +105° C

Temperature Coefficient (@FL).....±0.02% /° C Max

Cooling.....Free-Air Convection

EMI/RFI.....Six-Sided Continuous Shield

PHYSICAL:

Weight.....1.5 oz.(42.52 grams)

Dimensions.....1.0 x 2.0 x 0.4 Inches(50.8 x 25.4 x 10.2mm)

Case Material.....Nickel Coated Copper With Non-Conductive Base

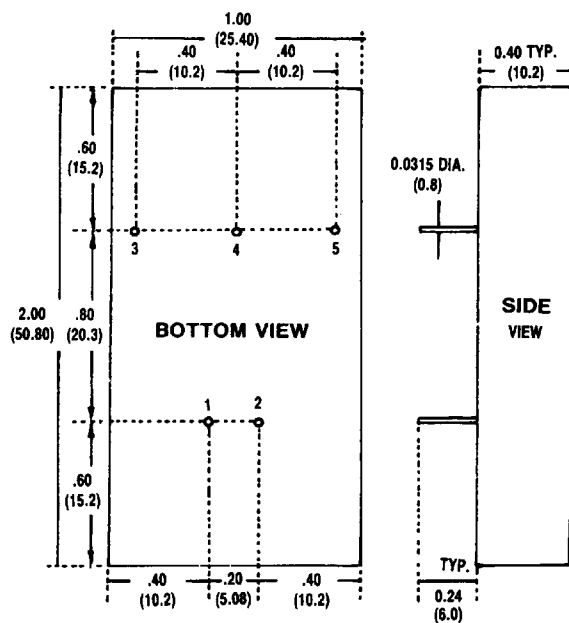


POLYTRON DEVICES, INC.

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		INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT		MODEL NUMBER	CASE	PRICE
					NO LOAD	FULL LOAD			1-9 QTY.
2:1 VOLTAGE RANGE	SINGLE VOLTAGE UNITS	9-18	5	1500	46	780	LWA7.5-12S5	P	\$56.50
			12	625	46	786	LWA7.5-12S12	P	\$56.50
			15	500	46	786	LWA7.5-12S15	P	\$56.50
		18-36	5	1500	50	384	LWA7.5-24S5	P	\$56.50
			12	625	50	384	LWA7.5-24S12	P	\$56.50
			15	500	50	384	LWA7.5-24S15	P	\$56.50
		36-72	5	1500	36	198	LWA7.5-48S5	P	\$56.50
			12	625	36	198	LWA7.5-48S12	P	\$56.50
			15	500	42	198	LWA7.5-48S15	P	\$56.50
	DUAL VOLTAGE UNITS	9-18	±5	±750	46	780	LWA7.5-12-5	P	\$60.00
			±12	±312	46	786	LWA7.5-12-12	P	\$60.00
			±15	±250	46	786	LWA7.5-12-15	P	\$60.00
		18-36	±5	±750	50	384	LWA7.5-24-5	P	\$60.00
			±12	±312	50	384	LWA7.5-24-12	P	\$60.00
			±15	±250	50	384	LWA7.5-24-15	P	\$60.00
		36-72	±5	±750	36	198	LWA7.5-48-5	P	\$60.00
			±12	±312	36	198	LWA7.5-48-12	P	\$60.00
			±15	±250	42	198	LWA7.5-48-15	P	\$60.00
4:1 VOLTAGE RANGE	SINGLE VOLTAGE UNITS	9-36	5	1500	46	786	LWB7.5-12S5	P	\$63.50
			12	625	46	786	LWB7.5-12S12	P	\$63.50
			15	500	46	786	LWB7.5-12S15	P	\$63.50
		18-72	5	1500	50	384	LWB7.5-24S5	P	\$63.50
			12	625	50	384	LWB7.5-24S12	P	\$63.50
			15	500	50	384	LWB7.5-25S15	P	\$63.50
	DUAL VOLTAGE UNITS	9-36	±5	±750	46	786	LWB7.5-12-5	P	\$67.00
			±12	±312	46	786	LWB7.5-12-12	P	\$67.00
			±15	±250	46	786	LWB7.5-12-15	P	\$67.00
		18-72	±5	±750	50	384	LWB7.5-24-5	P	\$67.00
			±12	±312	50	384	LWB7.5-24-12	P	\$67.00
			±15	±250	50	384	LWB7.5-25-15	P	\$67.00



Pin Connections		
Pin	Single Output	Dual Output
1	+Input	+Input
2	-Input	-Input
3	+Output	+Output
4	NC	Common
5	-Output	-Output



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