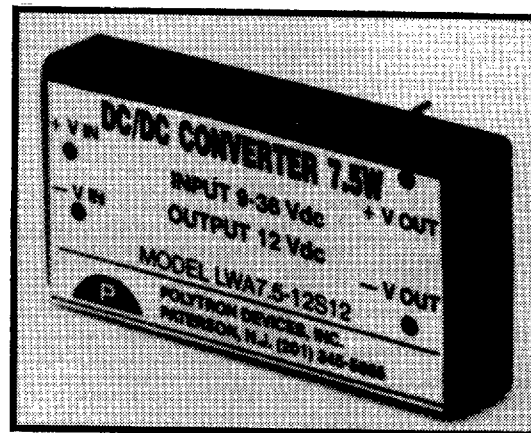


Miniature (1" x 2" x 0.4")
Wide Input Voltage Range (9-36 VDC, 18-72 VDC)
Regulated DC/DC Converters
7.5 Watt

FEATURES:

- Wide Input Voltage Range
- Low Profile Package (1" x 2" x 0.40")
- Input/Output Isolation
- Efficiency up to 86% @ FL
- Short Circuit Protection
- Under Voltage Shutdown
- Overvoltage Protection
- Six Sided Continuous Metal Shielding
- Epoxy Encapsulated



SPECIFICATIONS:

Typical @ 25°C under full load and nominal input voltage unless otherwise specified.

INPUT

Voltage Range	2:1 Range	4:1 Range
12 Vdc	9-18 Vdc	9-36 Vdc
24 Vdc	18-36 Vdc	18-72 Vdc
48 Vdc	36-72 Vdc	
Voltage Accuracy	± 1% Max	
Line Regulations (at Full Load)	± 0.5% Max	
Load Regulation (FL to 1/2 Load)	± 0.5% Max	
Ripple & Noise (20 MHz 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	100 KHz

ENVIRONMENTAL

Operating Temperature Range	- 25°C to + 71°C
Storage Temperature Range	- 55°C to + 125°C
Temperature Coefficient (@ FL)	± 0.02% / °C Max
Cooling	Free Air Convection
EMI/RF	Six-sided continuous metal shield

PHYSICAL

Weight	1.5 oz. (42.52 grams)
Case Material	Black coated copper with non-conductive metal base
Dimensions	1" x 2" x 0.4" (25.4 x 50.8 x 10.2 mm)



POLYTRON DEVICES, INC.

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