

(2.0" x 2.0" x 0.45")

KW25-B2A SERIES

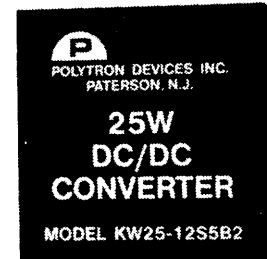
2:1 Input Voltage Range (9-18Vdc, 18-36Vdc, 36-72Vdc)

Regulated DC/DC Converters

25 Watt

FEATURES:

- 2:1 Input Voltage Range
- 3.3 Vdc Output
- Low Profile Package (2.0" x 2.0" x 0.45")
- High Efficiency
- Short Circuit Protection
- Over Voltage Protection
- Epoxy Encapsulated
- Single, Dual and Triple Output Voltage



SPECIFICATIONS:

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

INPUT:

Input Voltage Range

12V nominal.....9-18 Vdc

24V nominal.....18-36 Vdc

48V nominal.....36-72 Vdc

OUTPUT:

Voltage Accuracy.....Single $\pm 1\%$
Dual $\pm 1\%$ (w/Balance Load)

Line Regulation $\pm 1\%$ Max.

Load Regulation (Full Load to 1/2 Load)..... $\pm 2\%$

Temperature Coefficient (α Full Load)..... $\pm 0.02\%/^{\circ}\text{C}$

Output Noise and Ripple (20MHz BW).....1%P-P Max.

Short Circuit Protection.....Fold Back

Overvoltage Protection.....Built-in

GENERAL:

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

Isolation Resistance..... 10^9 Ohms, Min.

Switching Frequency.....100KHz, typ.

ENVIRONMENTAL:

Operating Temperature Range.....-40° C to +85° C

Storage Temperature Range.....-55° C to +105° C

Derating.....None

Cooling.....Free-Air Convection

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

PHYSICAL:

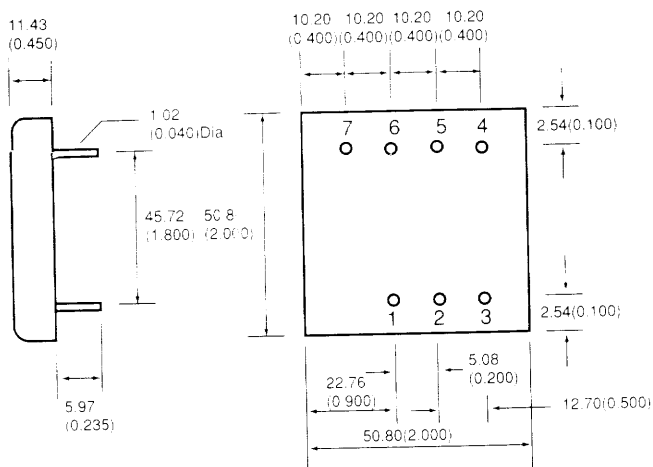
Dimensions.....2.0 x 2.0 x 0.45 Inches

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

KW25/B2A SERIES

REGULATED DC/DC CONVERTERS 25 WATT (CONTINUED)

2:1 INPUT RANGE		INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	% EFF	POLYTRON	CASE	PRICE
						MODEL NUMBER		1-9 QTY.
SINGLE VOLTAGE		9-18	3.3	5000mA	84	KW25-12S33-B2A	B2A	\$115.00
		9-18	5	5000mA	82	KW25-12S5-B2A	B2A	\$115.00
		9-18	12	2000mA	86	KW25-12S12-B2A	B2A	\$115.00
		9-18	15	1500mA	86	KW25-12S15-B2A	B2A	\$115.00
		18-36	3.3	5000mA	84	KW25-24S33-B2A	B2A	\$115.00
		18-36	5	5000mA	84	KW25-24S5-B2A	B2A	\$115.00
		18-36	12	2000mA	88	KW25-24S12-B2A	B2A	\$115.00
		18-36	15	1500mA	88	KW25-24S15-B2A	B2A	\$115.00
		36-72	3.3	5000mA	84	KW25-48S33-B2A	B2A	\$115.00
		36-72	5	5000mA	84	KW25-48S5-B2A	B2A	\$115.00
		36-72	12	2000mA	88	KW25-48S12-B2A	B2A	\$115.00
		36-72	15	1500mA	88	KW25-48S15-B2A	B2A	\$115.00
DUAL VOLTAGE		9-18	±5	±2500mA	82	KW25-12-5-B2A	B2A	\$119.00
		9-18	±12	±1000mA	86	KW25-12-12-B2A	B2A	\$119.00
		9-18	±15	±750mA	86	KW25-12-15-B2A	B2A	\$119.00
		18-36	±5	±2500mA	83	KW25-24-5-B2A	B2A	\$119.00
		18-36	±12	±1000mA	87	KW25-24-12-B2A	B2A	\$119.00
		18-36	±15	±750mA	87	KW25-24-15-B2A	B2A	\$119.00
		36-72	±5	±2500mA	84	KW25-48-5-B2A	B2A	\$119.00
		36-72	±12	±1000mA	88	KW25-48-12-B2A	B2A	\$119.00
TRIPLE VOLTAGE		36-72	±15	±750mA	88	KW25-48-15-B2A	B2A	\$119.00
		9-18	+5/±12	3000/±400mA	82	KW25-12S5-12-B2A	B2A	\$129.00
		9-18	+5/±12	3000/±300mA	82	KW25-12S5-15-B2A	B2A	\$129.00
		9-18	+5/+12/-5	3000/600/500mA	83	KW25-12S12S-15-B2A	B2A	\$129.00
		18-36	+5/±12	3000/±400mA	83	KW25-24S5-12-B2A	B2A	\$129.00
		18-36	+5/±15	3000/±300mA	83	KW25-24S5-15-B2A	B2A	\$129.00
		18-36	+5/+12/-5	3000/600/500mA	83	KW25-24S12S-B2A	B2A	\$129.00
		36-72	+5/±12	3000/±400mA	84	KW25-48S5-12-B2A	B2A	\$129.00
		36-72	+5/±15	3000/±300mA	84	KW25-48S5-15-B2A	B2A	\$129.00
	36-72	+5/+12/-5	3000/600/500mA	84	KW25-48S12S-B2A	B2A	\$129.00	



PIN	SINGLE	DUAL	TRIPLE
1	+VIN	+VIN	+VIN
2	-VIN	-VIN	-VIN
3	ON/OFF	ON/OFF	ON/OFF
4	TRIM	TRIM	-AUX.OUT
5	-VOUT	-VOUT	COMMON
6	+VOUT	COMMON	+5V OUT
7	NO CONNECT	+VOUT	+AUX.OUT