



25 WATT SINGLE/DUAL/TRIPLE OUTPUT

**Compact Package (2" x 2" x 0.45")
DC/DC Converters**



FEATURES

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

KW25-B2A Series

Specifications

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

INPUT

Input Voltages.....	Voltage Range
12 Vdc.....	9-18 Vdc
24 Vdc.....	18-36 Vdc
48 Vdc.....	36-72 Vdc

OUTPUT

Voltage Accuracy.....	±1.0% max.
Line Regulation	±1.0% max.
Load Regulation.....	±2.0% max.
Ripple Noise (20 MHz BW).....	1.0% p-p max.
Temperature Coefficient (at FL).....	±0.02%/°C

GENERAL

Efficiency.....	82-88%, see Table
Isolation Voltage.....	500 Vdc min.
Isolation Resistance.....	1000M Ohms
Switching Frequency.....	100KHz typ.
Protection.....	Overvoltage Protection Fold Back Short Circuit Protection

ENVIRONMENTAL

Operating Temperature Range.....	-25 to +71°C
Storage Temperature Range.....	-55 to +105°C
Derating.....	None
Cooling	Free Air Convection
EMI/RFI.....	Six-Sided Continuous Shield

PHYSICAL

Case Material.....	Nickel Coated Copper with Non-Conductive Base
Dimensions.....	2.00" x 2.00" x 0.45" 20.8 x 50.8 x 11.43 x

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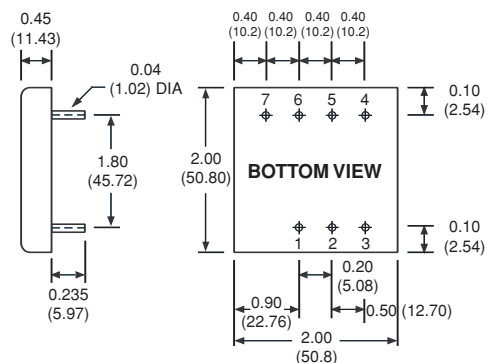
Selection Guide

(Continued)

	Input Voltage Nominal (Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Efficiency %	Model Number	Case
SINGLE OUTPUT VOLTAGE	12 (9-18)	3.3	5000	84	KW25-12S33-B2A	B2A
		5	5000	82	KW25-12S5-B2A	B2A
		12	2000	86	KW25-12S12-B2A	B2A
		15	1500	86	KW25-12S15-B2A	B2A
	24 (18-36)	3.3	5000	84	KW25-24S33-B2A	B2A
		5	5000	84	KW25-24S5-B2A	B2A
		12	2000	88	KW25-24S12-B2A	B2A
		15	1500	88	KW25-24S15-B2A	B2A
	48 (36-72)	3.3	5000	84	KW25-48S33-B2A	B2A
		5	5000	84	KW25-48S5-B2A	B2A
		12	2000	88	KW25-48S12-B2A	B2A
		15	1500	88	KW25-48S15-B2A	B2A
DUAL OUTPUTS	12 (9-18)	±5	±2500	82	KW25-12-5-B2A	B2A
		±12	±1000	86	KW25-12-12-B2A	B2A
		±15	±750	86	KW25-12-15-B2A	B2A
	24 (18-36)	±5	±2500	83	KW25-24-5-B2A	B2A
		±12	±1000	87	KW25-24-12-B2A	B2A
		±15	±750	87	KW25-24-15-B2A	B2A
	48 (36-72)	±5	±2500	84	KW25-48-5-B2A	B2A
		±12	±1000	88	KW25-48-12-B2A	B2A
		±15	±750	88	KW25-48-15-B2A	B2A
TRIPLE OUTPUTS	12 (9-18)	5 / ±12	3000 / ±400	82	KW25-12S5-12-B2A	B2A
		5 / ±15	3000 / ±300	82	KW25-12S5-15-B2A	B2A
		+5 / -5 / 12	+3000 / -500 / 600	83	KW25-12S125-B2A	B2A
	24 (18-36)	5 / ±12	3000 / ±400	83	KW25-24S5-12-B2A	B2A
		5 / ±15	3000 / ±300	83	KW25-24S5-15-B2A	B2A
		+5 / -5 / 12	+3000 / -500 / 600	83	KW25-24S125-B2A	B2A
	48 (36-72)	5 / ±12	3000 / ±400	84	KW25-48S5-12-B2A	B2A
		5 / ±15	3000 / ±300	84	KW25-48S5-15-B2A	B2A
		+5 / -5 / 12	+3000 / -500 / 600	84	KW25-48S125-B2A	B2A

Mechanical Specifications

I/O Connections			
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
7	No Connect	+Vout	+Aux.out



All Dimensions are in inches (mm)