



5 WATT SINGLE OUTPUT

Isolated, Regulated
DC/DC Converters
24Vdc TO 125Vdc Output



FEATURES

- High Performance π Input Filter
- Short Circuit Protection
- Extremely Low Output Noise
- Highly Regulated Floating Outputs
- Low Input Reflected Ripple
- P.C. Card Mounting

PR45 Series

Specifications

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

INPUT

Voltage Range..... $\pm 10\%$
 Input Filter..... Pi Network
 Input Reflected Ripple..... $\pm 1\%$ of Input Voltage max

OUTPUT

Voltage Accuracy..... $\pm 1\%$ max.
 Line Regulation..... $\pm 0.2\%$ max.
 Load Regulation..... $\pm 0.2\%$ max.
 Ripple Noise (20MHz Bw)..... 3 mV rms

GENERAL

Efficiency..... 55-65% nominal line @ FL
 Isolation Voltage..... 500 Vdc
 Protection..... Short Circuit Protection

ENVIRONMENTAL

Operating Temperature Range..... -25° to +71°C
 Storage Temperature Range..... -55° to +105°C
 Cooling..... Free Air Convection

PHYSICAL

Case Material (Case B1)..... Nickel Coated Copper w/
 Non-Conductive Base
 Case Material (Case C1)..... Black Phenolic Plastic w/
 Plastic Base

Dimensions

Case B1..... 2.00" x 2.00" x 0.40"
 Case C1..... 2.00" x 2.00" x 0.875"

Selection Guide

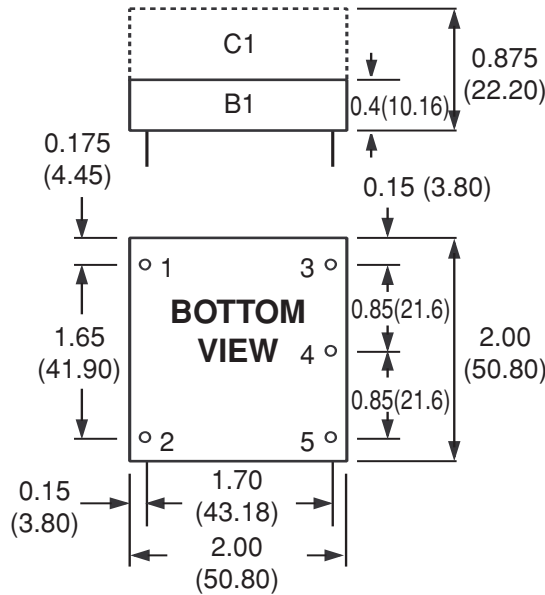
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SINGLE OUTPUT VOLTAGE	Input Voltage Nominal (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Model Number	Case	
	12	24	187	PR45-12S24	B1	
		48	93	PR45-12S48	C1	
		75	60	PR45-12S75	C1	
		100	45	PR45-12S100	C1	
		125	36	PR45-12S125	C1	
	15	24	187	PR45-15S24	B1	
		48	93	PR45-15S48	C1	
		75	60	PR45-15S75	C1	
		100	45	PR45-15S100	C1	
		125	36	PR45-15S125	C1	
	24	24	187	PR45-24S24	B1	
		48	93	PR45-24S48	C1	
		75	60	PR45-24S75	C1	
		100	45	PR45-24S100	C1	
125		36	PR45-24S125	C1		

Mechanical Specifications

I/O Connections	
Pin	SINGLE
1	+Vin
2	-Vin
3	+Vout
4	N/C
5	-Vout

CASE B1, C1



NOTE:

OTHER VOLTAGES AVAILABLE.
CHASSIS MOUNTING AVAILABLE.
CONTACT FACTORY.

All Dimensions are in inches (mm)



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