



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

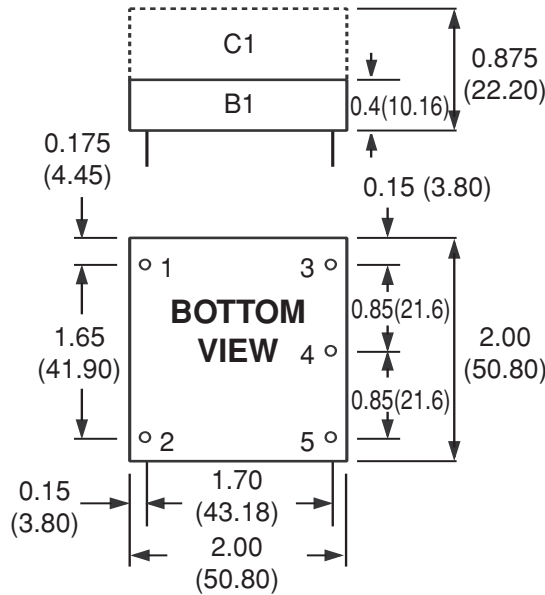
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| SINGLE OUTPUT VOLTAGE | Input Voltage Nominal (Vdc) | Output Voltage (Vdc) | Output Current (mA) | Model Number | Case |
|-----------------------|-----------------------------|----------------------|---------------------|--------------|------|
| | 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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