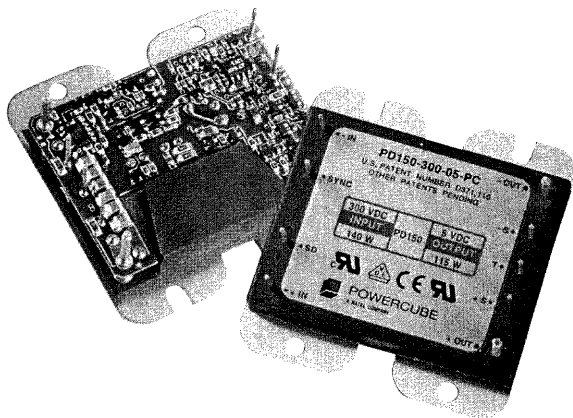


PD150 SERIES

Key Superior Features

- Low Profile- **0.40 inch high**
(2.28"L x 2.40"W x 0.40"H)
- Up to **150 watts** output
- Up to **90 watts per cubic inch**
- Up to **90% efficiency**
- **Over-Temperature Protection**
(Thermal Shutdown)
- **Over-Voltage Protection**
- **Total Isolation**
(Input, Output & Base Plate)



150 WATTS OUTPUT DC-TO-DC CONVERTERS

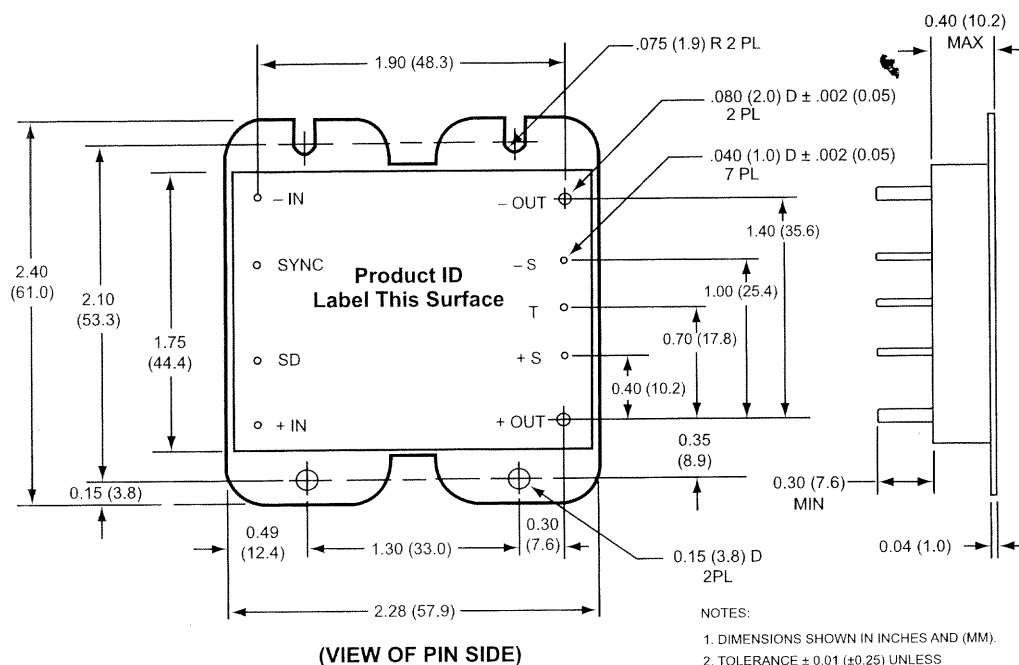
Additional Features

- Compatible with Vicor VI-J00 family
- 375 KHz fixed frequency
- Parallelable
- Frequency synchronization
- Remote sense
- Current limit
- Low output ripple and noise
- 100°C Maximum Operating Temperature
- Excellent transient response
- MTBF > 1,000,000 hours (35°C, G_B)
- Trimmable output (+10%, -35%)
- UL (USA, Canada), VDE approved

Applications

- Digital Switching Systems
- Microwave Transmission Equipment
- Satellite Ground Stations
- Cellular Base Station Equipment
- Networking Equipment
(Lan, ISDN, Bridges, Modems)
- Video Conference Equipment
- Communication Test Equipment/Data Analyzers
- Computer Work Stations
- Data Storage Devices
- Medical Test Equipment
- Military/ Aerospace
 - Computer-Based Ground Support
 - Early Warning and Missile Defense System

PD150 SERIES



MECHANICAL OUTLINE

Ordering Information

PD150 — I — O — F — G				
Input Voltage	Output Voltage	Footprint / Pin Out	Performance Grade	
012 = 12 V	03 = 3.3 V	P = Superior performance	C = Commercial (-20°C to +100°C)	
024 = 24 V	05 = 5.0 V	V = Industry standard	I = Industrial (-40°C to +100°C)	
048 = 48 V	12 = 12 V		M = Military (-55°C to +100°C)	
072 = 72 V	15 = 15 V			
150 = 150 V	24 = 24 V			
300 = 300 V	28 = 28 V			
	48 = 48 V			

Outputs less than 5V are limited to 30A.

Other Products

DC-to-DC Converters available from Powercube

- "Half-brick" size (2.28"L X 2.4"W)
- 25, 50, 75 and 100 Watts DC-to-DC Converters as direct replacement for the industry's most popular devices (LPD150 Series).
- 25, 50, 75, 100 and 150 Watts DC-to-DC Converters with four threaded holes for additional heatsink, as well as versatile mounting (TD Series).
- "Full-Brick" size (4.6"L X 2.4"W X 0.5"H)
- 300 Watts output, High Density, DC-to-DC Converters (PD301 Series).

- 50 to 200 Watts, DC-to-DC Converters (MT Series), packaged in a metal housing with six threaded holes for additional heatsink as well as versatile mounting.

- 300 Watts, "full-brick" size, DC-to-DC Converters with four threaded holes for additional heatsink, as well as versatile mounting (TD300 Series).

- Autoranging Universal Front-end Module 500/750 Watts & 1000/1500 Watts **AC-to-DC Converters** in a very small size (1.45"x2.28"x0.5"), models UFM500/UFM1K.



www.powercube.com

ISO 9001

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