

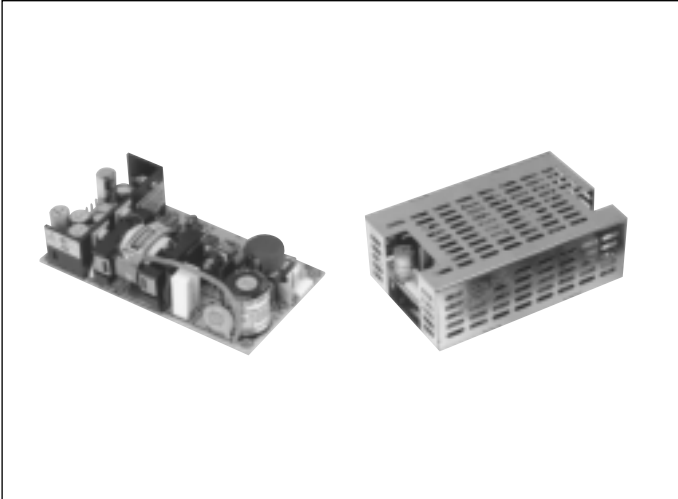
DC/DC Converters

XPiQ inc.

Intelligent Design Quality Product



**40 Watts
PD40 Series**



- Low Cost
- 100% Burn-In
- Small Size, Light Weight
- Three Wide Input Voltage Ranges
10-30 VDC, 20-60 VDC, 30-90 VDC
- Overvoltage Protection
- Overcurrent Protection

Specification

All specifications typical at nominal line, full load and 25°C

Input

- **Input Voltage**
 - 10 to 30 VDC (PD40 "L" series)
 - 20 to 60 VDC (PD40 "M" series)
 - 30 to 90 VDC (PD40 "H" series)
- **Input Current**
 - 2.5A (rms) for 24 VDC
 - 1.3A (rms) for 48 VDC
 - 0.84A (rms) for 72 VDC

Output

- **Output Voltage/Current**
 - See rating chart
- **Ripple**
 - 1% peak to peak maximum
- **Overvoltage Protection**
 - Provided on output #1 only, set at 112-132% of its nominal output voltage
- **Overcurrent Protection:**
 - All outputs protected in short circuit conditions
- **Temperature Coefficient:**
 - All outputs $\pm 0.04\%/^{\circ}\text{C}$ maximum

General

- **Efficiency**
 - 65% minimum
- **Hold-up time**
 - 10 msec
- **Line Regulation**
 - $\pm 0.5\%$ max
- **Isolation Voltage**
 - 1000 VDC from input to output

Environmental

- **Operating Temperature**
 - 0°C to +70°C*
- **Storage Temperature**
 - -40°C to +85°C
- **MTBF**
 - 100,000 hours
- **Weight**
 - 300 grams - PCB
 - 500 grams - enclosed

* Derate linearly from 100% load at 50°C to 50% load at 70°C

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