

# PENT1040C

## Universal 40 Watt (IEEE802.3af Non-Compliant)



### High Power PoE Injector

- 10/100 (Mbps) Data Rates
- Self-contained Injector
- 100-250VAC Universal Input
- Desktop Style / Non-vented Case
- Power ON LED
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies with EMI/RFI Regulations
- CE Compliant
- Midspan



### International Safety Standard Approvals



## Specifications

### Output Specifications

|   |                |   |
|---|----------------|---|
| Combined Line and Load Voltage Regulation | Excluding Cord | ±1%   |
| Ripple                                    |                | 1% Vp-p max.  |
| Transient Response                        |                | 0.5ms for 50% Load Change Typical                         |
| Protection                                |                | Foldback Overcurrent Protection, Short Circuit Protection |

### Input Specifications

|                        |  |  |
|------------------------|--|--|
| AC Input Voltage Range |  | 100-250VAC -10%, +6%                           |
| Line Frequency         |  | 47-63Hz  |
| AC Input Current       |  | 1.0A max.                                      |
| Protection             |  | Internal Primary Current Fuse, Inrush Limiting |

### Environmental Specifications

|                     |  |               |
|---------------------|--|---------------|
| Thermal Performance | Operating Temperature<br>No Derating,<br>Convectional Cooling<br>Non Vented Case | 0° C to 40° C |
| Relative Humidity   | Non-Condensing   | 5% to 95%     |
| Altitude            |  | 0-10,000 feet |

### General Specifications

|                           |                                       |   |
|---------------------------|---------------------------------------|---|
| Topology                  |                                       | Switching-Fixed Frequency Flyback                     |
| Dielectric Withstand      | Primary-Secondary<br>Secondary-Ground | 3000VAC, 4250VDC<br>500VDC                            |
| Spacing                   |                                       | 5mm Primary-Secondary                                 |
| Leakage Current           |                                       | Less than 250 uA                                      |
| Efficiency                |                                       | 75.1% min.  |
| EMC Information Emissions | FCC Part 15.<br>EN55022.              | Class B<br>Class B                                    |
| Harmonic VFF              | EN61000-3-2<br>EN61000-3-3            |   |
| ESD                       | EN61000-4-2.                          | Level 2   |
| RF EMI                    | EN61000-4-3.                          | Level 2   |
| EFT                       | EN61000-4-4.                          | Level 2   |
| Surge                     | EN61000-4-5.                          | Level 3   |
| CDI                       | EN61000-4-6.                          | Level 2   |
| CD                        | EN61000-4-8.                          | Level 1   |
| Voltage Dips              | EN61000-4-11                          |   |
| CE                        |                                       | LVD, EMC, RoHS, WEEE, CE Compliant                    |
| Hold-up Time              | @120VAC                               | 18ms min. typ.  |
| Storage Temp              |                                       | -30° C to +85° C                                      |
| Approvals and Standards   | Safety                                | cULus : UL/CSA60950<br>TUV : EN60950<br>CE: LVD, EMCD |
| MTBF                      |                                       | 100,000 Calculated Hours                              |

