

PENT1080

80 Watt Power over Ethernet Injectors

Compliant/Non-Compliant, 10/100 and Gigabit Injectors



2 Year Warranty

- 10/100 and 10/100/1000 (MbPS) Data Rate models
- Self-Contained Injector
- 100-240VAC Universal Input
- Desktop Style/Non-vented case
- IEEE802.3af Detection and Disconnection Compliant, and Non-Compliant models
- Power ON LED
- Overload Shutdown and Short Circuit Protection
- Regulated Output with Low Ripple



International Safety Standard Approvals



Specifications

All Specifications are typical at nominal input, full load at 25°C unless otherwise stated.

AC Input 100-240VAC, -10%,+6%, 47-63 Hz single phase.	MTBF >100,000 hours (calculated)
Input Current 115VAC: 1.4A, 230VAC: 0.7A.	Hold-up Time 16.7 ms min. @ 115VAC, 20mS min. @ 230VAC
Inrush Current Inrush limiting provided.	Overvoltage Protection Built-in, latch off
Input Fuses Internal Primary Current Fuse is provided.	Overload Protection Foldback Mode
Earth Leakage Current Class II: <250µA, Class I: <750µA.	Short Circuit Protection Hiccup Mode
Efficiency 80% typical.	Topology Flyback Switching Type
Output Power 80W continuous.	Safety Standards EN/IEC/UL 60950-1, CSA22.2, No. 950, 2 nd Edition
Ripple and Noise 1% pk-pk max., 20MHz BW, differential mode.	Isolation Input-Output: 3000VAC
Output Voltage See chart.	Operating Temperature 0° to 40°C, no derating
Line & Load Voltage Regulation Excluding Cord: +/- 1%.	Storage Temperature -20 to +85°C.
Minimum Load Not required.	Relative Humidity 5% to 95%, non-condensing
Transient Response 500µs max., 50% load step, typical.	Altitude 0 to 10,000 ft.
Case Dimensions: Desktop Style: 8.34" x 2.24" x 1.48".	Case Material: Black 94V-0 rated Polycarbonate
Output Connections: Dual RJ-45 jacks built-in.	Power ON LED: Provided on all models

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Model Number	Output Volts	Output Current (max)	Max Watts	Ripple (Vp-p max)
PENT1080A5600F01	56 V	1.42 A	80.0 W	560mV

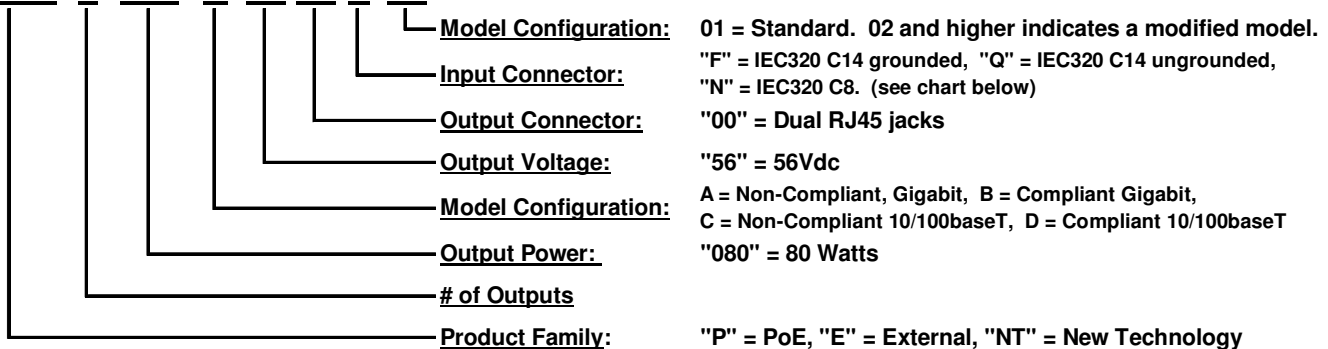
EMC Specifications

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Emissions	EN55022 Class B, FCC Part 15, Class B.
Static Discharge Immunity	EN61000-4-2, CD Level 2, AD Level 3, Criteria B
Radiated RF Immunity	EN61000-4-3, Level 2, Criteria A
EFT/Burst Immunity	EN61000-4-4, Level 2, Criteria A
Line Surge Immunity	EN61000-4-5, Level 3, Criteria B
Harmonic	EN61000-3-2, Class A

Model Number Key

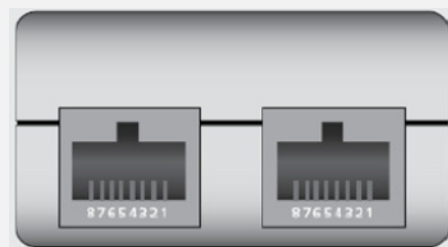
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Input Receptacle Options

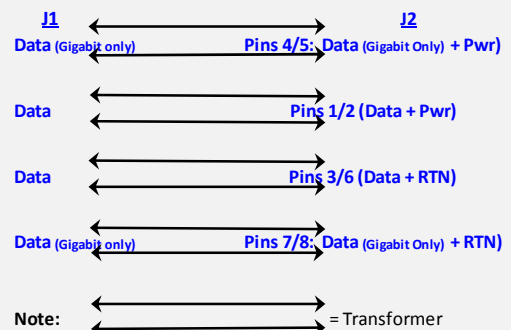


Output/Data Connections



J2 (Power & Data Out) J1 (Data In)

PENT1080 Pinout Connections:



"Personalized" PoE

Options (contact factory for cost/availability):

- ⇒ Custom label artwork
- ⇒ Custom agency approvals available
- ⇒ Surge protection (input & output)
- ⇒ Mounting bracket
- ⇒ Other modifications