



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

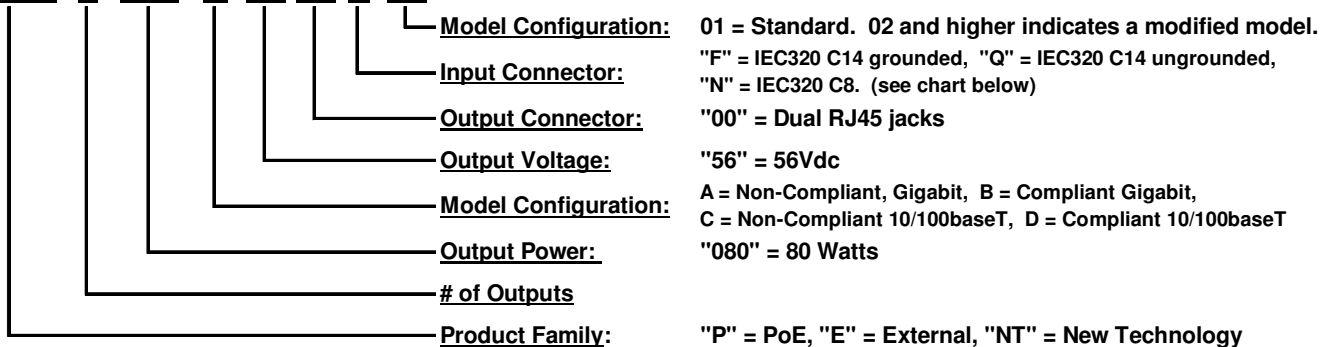
EMC Specifications

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

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

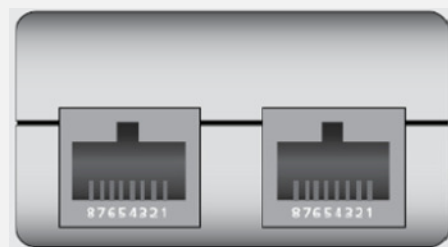
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Input Receptacle Options

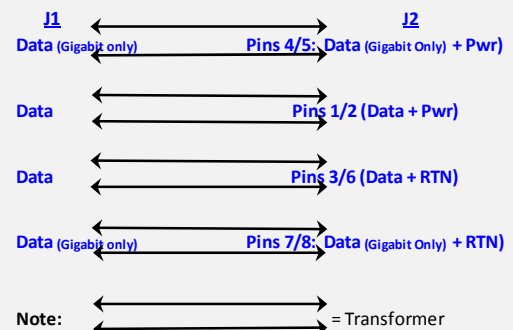


Output/Data Connections



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