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 No Derating, Convectional Cooling 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 Secondary-Ground	3000VAC, 4250VDC 500VDC
Spacing		5mm Primary-Secondary
Leakage Current		Less than 250 uA
Efficiency		75.1% min.
EMC Information Emissions Harmonic VFF ESD RF EFI EFT Surge CDI CD Voltage Dips	 FCC Part 15. EN55022. EN61000-3-2 EN61000-3-3 EN61000-4-2. EN61000-4-3. EN61000-4-4. EN61000-4-5. EN61000-4-6. EN61000-4-8. EN61000-4-11	 Class B Class B Level 2 Level 2 Level 2 Level 3 Level 2 Level 1
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 TUV : EN60950 CE: LVD, EMCD
MTBF		100,000 Calculated Hours

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For the most current data and application support visit www.slpower.com

Ault Part Number	Output Voltage	Output Currents Min	Output Currents Max	Max Watts	Ripple Vp-p max.
PENT1040C5600F01	56 V	0.00 A	0.71 A	40 W	560 mV

Ault Part Number Key

PENT	1	040	C	56	00	F	01
Product Family Name	Number of Outputs	Output Wattage	Configuration Type	Output Voltage	Output Connector	Input Configuration	Standard (no modifications or special packaging)

Input Configuration



IEC320
w/ground
C14
(F)

General Specifications (continued from p. 1)

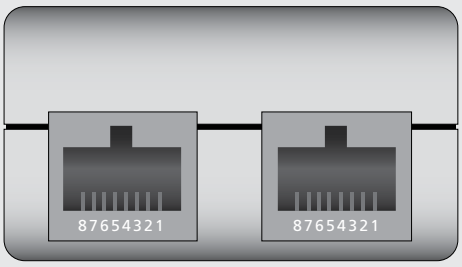
Weight	(excluding cord)	7 Ounces, 200 Grams
Case and Dimension		5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm)
Case Material		Black 94V0 Polycarbonate
Cord and Connectors		Dual RJ45 jacks built into the enclosure

Personalized PoE

Options (additional costs may apply):

- Custom label artwork
- Custom agency approvals available
- Surge protection (Input & Output)
- Mounting bracket
- Custom PoE modifications

Pin Connections



J1 J2

J1 Pins		J2 Pins
1. Data Pair 1	⟷	1. Data Pair 1
2. Data Pair 1	⟷	2. Data Pair 1
3. Data Pair 2	⟷	3. Data Pair 2
4. + VDC		4. No Connection
5. + VDC		5. No Connection
6. Data Pair 2	⟷	6. Data Pair 2
7. - VDC		7. No Connection
8. - VDC		8. No Connection

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