

BPE020A /PENB1020A Universal 20 Watt

- 100-240 Vac Universal Input
- Single Output to 20W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop Style



Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise Vp-p max. (mV)
BPE020-A-48-X-XX	48	0.40	19.2	480

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	0.4A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification

Line & Load Regulation (at End of Cable)	Line Regulation	+/- 1%
	Load Regulation	+/- 5%
Ripple & Noise	1% Vp-p max.	
Transient Response	0.5ms for 50% Load change Typ.	
Protection	Over-current Protection (Hiccup)	
	Short Circuit Protection	

Environmental Specification

Operating Temperature	0°C to 40°C with no derating
Relative Humidity	5% to 95% non-condensing
Altitude	0 - 10,000 feet
Cooling	Convictional - Non vented case

Input Configuration



IEC320 IEC320 IEC320
C14 (F) C8 (N) C18 (Q)

Specify the input configuration Code in your Order.

General Specification

Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 250uA
Dielectric Withstand	4,242VDC Primary - Secondary
	2,150VDC Primary - F.G
	500VDC Secondary - F.G
Storage Temperature	-30 °C to 85 °C
Data Rate	10/100/1000 BASE operation
Hold-up Time	10ms min. @115VAC
EMI	Complies with EMC Directives
MTBF	100,000 Calculated Hours Minimum.
Approvals and	UL60950-1, IEC/EN60950-1, K60950-1
Safety Standards	EMC : EN55022 / 55024 / 61000
Case and Dimension	4.43(L) x 1.88(W) x 1.33(H) [in]
	112.5(L) x 47.8(W) x 33.7(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	RJ45 Cable.
	Other cable and connectors are available.

Part Number Key

<u>BPE020</u>	<u>A</u>	<u>05</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number