

# BPE035 Universal 35 Watt

- 100-240 Vac Universal Input
- satisfies the requirements of the IEEE802.3AF & IEEE802.3AT
- Single Output to 35W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available



Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise V <sub>p-p</sub> max. (mV)
BPE035-S-56-X-XX	56	0.62	34.7	560

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	1.5A 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% V <sub>p-p</sub> 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	Convectional - Non vented case

Input Configuration		
IEC320 C14 (F)	IEC320 C8 (N)	IEC320 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 Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	5.23(L) x 2.12(W) x 1.38(H) [in] 133(L) x 54(W) x 35.1(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	RJ45 Cable. Other cable and connectors are available.

Part Number Key				
<u>BPE035</u>	<u>S</u>	<u>56</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number



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