BPM040S Universal 25-40 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 25-40W
- Regulated Output with Low Ripple
- Meets Medical 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)
BPM-040-S-05-X-XX	5	5.00	25.0	50
BPM-040-S-09-X-XX	9	4.00	36.0	90
BPM-040-S-12-X-XX	12	3.40	40.8	120
BPM-040-S-15-X-XX	15	2.70	40.5	150
BPM-040-S-18-X-XX	18	2.20	39.6	180
BPM-040-S-24-X-XX	24	1.70	40.8	240
BPM-040-S-48-X-XX	48	0.83	40.8	480

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	1.2A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification

Line & Load Regulation	Line Regulation	+/- 2%
(at End of Cable)	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	Convectional - Non vented case

Input Configuration

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

Specify the input configuration Code in your Order.

General Specification

Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 100uA
Dielectric Withstand	6,943VDC Primary - Secondary
	2,765VDC Primary - F.G
	500VDC Secondary - F.G
Storage Temperature	-30 ˚C to 85 ˚C
Efficiency	Minimum Average Efficyency in Active Mode
	≥ [0.0626* Ln (Pno)] + 0.622
Hold-up Time	18ms min. @115VAC
Max. Power in No-Load	≤ 0.3W
MTBF	61,320 Calculated Hours Minimum.
Approvals and	UL60601-1, IEC/EN60601-1, K60950-1
Safety Standards	EMC : EN60601-1-1-2 / EN55011
Case and Dimension	4.01(L) x 2.36(W) x 1.26(H) [in]
	102(L) x 60(W) x 32(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	16 AWG 1,200mm 2 Conductor.
	Other cable and connectors are available.

Part Number Key

BPM040	S	12	X	XX
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number