

BPI040S Universal 25-40 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 25W-40W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop Style


RoHS


Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise Vp-p max. (mV)
BPI040-S-05-X-XX	5	5.00	25.0	50
BPI040-S-09-X-XX	9	4.00	36.0	90
BPI040-S-12-X-XX	12	3.40	40.8	120
BPI040-S-15-X-XX	15	2.70	40.5	150
BPI040-S-18-X-XX	18	2.20	39.6	180
BPI040-S-24-X-XX	24	1.70	40.8	240
BPI040-S-48-X-XX	48	0.83	39.8	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 (at End of Cable)	Line Regulation	+/- 2%
	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	Convectonal - 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
Efficiency	Minimum Average Efficiency in Active Mode ≥ [0.0626 * Ln (Pno)] + 0.622
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤ 0.3W
MTBF	61,320 Calculated Hours Minimum.
Approvals and	UL60950-1, IEC/EN60950-1, K60950-1
Safety Standards	EMC : EN55022 / 55024 / 61000
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

<u>B</u> P <u>I</u> 040	<u>S</u>	<u>12</u>	<u>X</u>	<u>XX</u>
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number