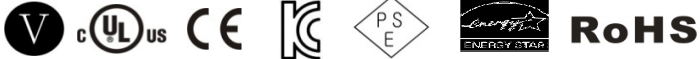


# BPI011S Universal 10-12 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 10W-12W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Wall Plug Style



Model	Output Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple & Noise V <sub>p-p</sub> max. (mV)
BPI011-S-05-X-XX	5	2.00	10.0	70
BPI011-S-09-X-XX	9	1.10	9.9	90
BPI011-S-12-X-XX	12	1.00	12.0	120
BPI011-S-15-X-XX	15	0.80	12.0	150

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	0.3A 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. (except 5V model)
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	
N.A./Japan	Europe
/China (B)	/Korea (M)

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 (P <sub>no</sub> )] + 0.622
Hold-up Time	10ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤ 0.3W
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension (JEC#14)	3.09(L) x 3.38(W) x 1.18(H) [in] 78.5(L) x 86(W) x 30(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	20 AWG 1,500mm 2 Conductor. Other cable and connectors are available.

Part Number Key				
BPI011	S	05	X	XX
Product Family Name	Single Output	Volt (DC)	Input Configuration	Customer Number

