

JPW190KB Universal 85-90 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 85-90W
- 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 V _{p-p} max. (mV)
JPW190-KB-12-XX-X-XX	12	7.00	84.0	120
JPW190-KB-13-XX-X-XX	13.5	6.00	81.0	135
JPW190-KB-15-XX-X-XX	15	6.00	90.0	150
JPW190-KB-18-XX-X-XX	18	5.00	90.0	180
JPW190-KB-24-XX-X-XX	24	3.75	90.0	240
JPW190-KB-48-XX-X-XX	48	1.87	89.8	480

Input Specification	
Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	2.0A 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 _{p-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 IEC320 IEC320
C14 (F) C18 (Q) C8 (N)

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 ≥87%
Hold-up Time	18ms min. @115VAC
EMI	Complies with EMC Directives
Max. Power in No-Load	≤0.5W
MTBF	100,000 Calculated Hours Minimum.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000
Case and Dimension	5.08(L) x 3.05(W) x 1.59(H) [in] 129(L) x 77(W) x 40(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	18 AWG 1,500mm 4 Conductor. Other cable and connectors are available.

Part Number Key					
JPW190	KB	12	XX	X	XX
Product Family Name	Design Revision Change	Volt (DC)	Connector Number	Input Configuration	Customer Number