

JMW180KA Universal 80 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 80W
- 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)
JMW180-KA-12-XX-X-XX	12	6.50	78.0	120
JMW180-KA-15-XX-X-XX	15	5.20	78.0	150
JMW180-KA-18-XX-X-XX	18	4.33	77.9	180
JMW180-KA-24-XX-X-XX	24	3.25	78.0	240

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 +/- 5% 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)	

Specify the input configuration Code in your Order.

General Specification	
Topology	Switching - Fixed Frequency Flyback
Leakage Current	Less than 100uA
Dielectric Withstand	5,656VDC 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
Max. Power in No-Load	≤0.5W
MTBF	61,320 Calculated Hours Minimum.
Approvals and Safety Standards	UL60601-1, IEC/EN60601-1, K60950-1 EMC : EN60601-1-1-2 / EN55011
Case and Dimension (IEC#19)	5.12(L) x 2.82(W) x 1.71(H) [in] 130(L) x 71.5(W) x 43.5(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	20 AWG 1,200mm 4 Conductor. Other cable and connectors are available.

Part Number Key					
<u>JMW180</u>	<u>KA</u>	<u>12</u>	<u>XX</u>	<u>X</u>	<u>XX</u>
Product Family Name	Design Revision Change	Volt (DC)	Connector Number	Input Configuration	Customer Number

