JMW1100KB Universal 100 Watt Series

- 100-240 Vac Universal Input
- Meets "ENERGY STAR" Program Requirements
- Single Output to 100W
- 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 Vp-p max. (mV)
JMW1100-KB-12-XX-X-XX	12	7.50	90.0	120
JMW1100-KB-13-XX-X-XX	13	6.92	90.0	130
JMW1100-KB-15-XX-X-XX	15	6.40	96.0	150
JMW1100-KB-16-XX-X-XX	16	6.00	96.0	160
JMW1100-KB-18-XX-X-XX	18	5.60	100.8	180
JMW1100-KB-19-XX-X-XX	19	5.20	98.8	190
JMW1100-KB-24-XX-X-XX	24	4.20	100.8	240
JMW1100-KB-48-XX-X-XX	48	2.10	100.8	480

Input Specification

Input Voltage Range	100 to 240VAC -10%, +10%
Line Frequency	47 to 63 Hz
Input Current	3.0A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting

Output Specification

Line & Load Regulation	Line Voltage	+/- 1%
(at End of Cable)	Load Voltage	+/- 5%
Ripple	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 C8 (N)	IEC320 C18 (Q)

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
	2,545VDC Primary - F.G
	500VDC Secondary - F.G
Storage Temperature	-30 ˚C to 85 ˚C
Efficiency	Minimum Average Efficyency 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	UL60601-1, IEC/EN60601-1, K60950-1
Safety Standards	EMC : EN60601-1-1-2 / EN55011
Case and Dimension	5.87(L) x 3.37(W) x 1.87(H) [in]
	149(L) x 85.5(W) x 47.5(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

JMW1100	KB	12	XX	X	XX
Product Family Name	Design Revision Change	Volt (DC)	Connector Number	Input Configuration	Customer Number