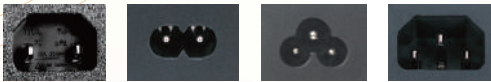




90 Watt Medical Series

Desktop Type

mA90 - YYXX - ZZ



Green Mode

Meet CEC , DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950-1
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
mA90-1012	12.0V	7.00A	84W
mA90-1015	15.0V	6.00A	90W
mA90-1018	18.0V	5.00A	90W
mA90-1019	19.0V	4.74A	90W
mA90-1024	24.0V	3.75A	90W
mA90-1048	48.0V	1.88A	90W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A-0.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14, C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TÜV) / PSE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C14 & C18 : L160 × W64 × H35 (mm)
	C6 & C8 : L151 × W64 × H35 (mm)
Weight	460g (Ref.)