Level VI



20 Watt Medical Series

Wall Mount Type
USA / Europe / UK

ATM020 - W X X X □

O/P Voltage

U : US Plug
E : EU Plug
B : UK Plug

Green Mode
Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- 100 - 240VAC Universal Input
- Single Output to 20W
- 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
ATM020-W050□	5.0V	3.50A	17.50W
ATM020-W060□	5.9V	3.00A	17.70W
ATM020-W090□	9.0V	2.22A	20.00W
ATM020-W120□	12.0V	1.67A	20.00W
ATM020-W150□	15.0V	1.33A	20.00W
ATM020-W180□	18.0V	1.11A	20.00W
ATM020-W240□	24.0V	0.83A	20.00W
ATM020-W480□	48.0V	0.42A	20.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.45A-0.27A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	2% 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
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals
For USA - CB / UL / cUL / FCC / PSE
For Europe & UK - CB / T-mark(TÜV) / CE

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 25ºC , by Telcordia SR-332

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

Mechanical	
Case Dimension	U - L 72 × W 34 × H 69 (mm)
	E - L 72 × W 34 × H 90 (mm)
	B - L 72 × W 50 × H 81 (mm)
Weight	U : 148g E : 143g
	B : 158g (Ref.)