SHWA10 SERIES

10W Wall Mount Power Supply for Medical Devices

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- 2 Prong Plug-In Mains Connector
- Optional Output Connector
- Single Output ,Class II Insulation
- CEC Level 5, Energy Star 2.0, and RoHS Compliance
- All Units are Burn-in Tested

2 Year Warranty

Approvals: (pending)

Single Output

Product Number	Output Voltage	Max. Output Current	Total Regulation	Maximum Output Power
SHWA10-S02	5 VDC	1. 6 A	5%	8W
SHWA10-S04	9 VDC	1.11 A	5%	10W
SHWA10-S05	12 VDC	0.83 A	5%	10W

The total regulation on model S02-S05 is required to use AWG#20/4FT output cable.
The regulation and efficiency will be changed by modified output cable.

Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Output Power Range	Vin=90 to 264VAC	0		10	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			0.3	A
Input Current (High Line)	Io=Full load, Vin=230VAC			0.2	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		20	30	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		45	60	A
Efficiency	Io=Full Load, Vin=230VAC	75	80	85	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	5	%
Over Voltage Protection			Nil		%
Over Current Protection	Nil But, Output protected to short circuit conditions				%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=110VAC	5	10		mS
Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S
Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Temperature Coefficient	All output	-0.04		0.04	%/°C

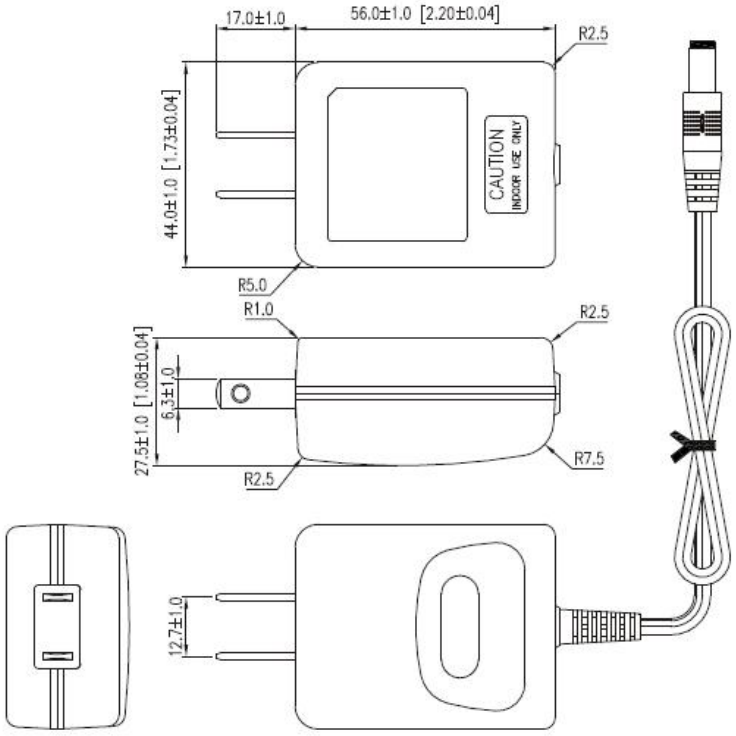
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	°C
Storage Temperature		-40		85	°C
Relative Humidity	No-Condensing	5		95	%
Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.1			M Hrs
De-rate linearly from 100% load at 40°C to 50% load at 70°C					

Approvals and Compliance

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage	Primary to Secondary	6322	VDC
EMI requirements for CISPR-22	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-15	Vin=110VAC	B	CLASS
Safety Approval	(pending) IEC/EN/UL/C-UL 60601-1, 3rd Edition CE, FCC		
Environmental Compliance	Energy Star 2.0, CEC V, RoHS		

Mechanical and PIN out



Note:

1. Dimensions are shown in mm.
2. Weight: 90g approx.
3. Optional output connector.