

IT / Medical Open Frame Power Supply 12 / 24 Watt Series

mO12 - 10XX

O / P Voltage

mO24 - 10XX

O / P Voltage

Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.075W

Features :

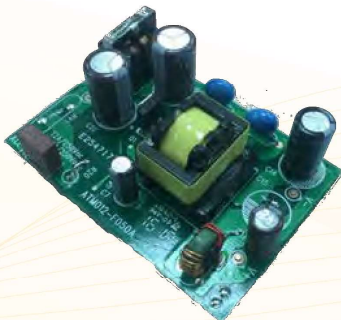
- ANSI/AAMI/IEC ES 60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- Meet UL60950-1, EN60950
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
mO12-1003	3.3V	2.50A	8.25W
mO12-1005	5.0V	2.00A	10.00W
mO12-1012	12.0V	1.00A	12.00W
mO12-1015	15.0V	0.80A	12.00W
mO12-1024	24.0V	0.50A	12.00W

Model	O/P Voltage	O/P Current	Watt
mO24-1003	3.3V	4.50A	14.85W
mO24-1005	5.0V	4.40A	22.00W
mO24-1012	12.0V	2.00A	24.00W
mO24-1015	15.0V	1.60A	24.00W
mO24-1024	24.0V	1.00A	24.00W
mO24-1048	48.0V	0.50A	24.00W

Input

Voltage	100 - 240 VAC
Line Frequency	50 - 60Hz
Current	12W: 0.29A-0.17A, 24W: 0.55A-0.3A
Protection	Internal Primary Current Fuse



Output

Load Regulation	± 5% (Typical)
Ripple	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS min. @Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection

Safety Approvals

IT : CB / UL / cUL / FCC / CE
Medical : UL / cUL / FCC / CE / T-mark(TUV)

Electrical

Topology	Switching Flyback
Dielectric Withstand	4,000 VAC Primary - Secondary
Touch Current	< 100µA
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to+50°C
Storage Temperature	-20 to+80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	ATM012T-F: L65 x W45 x H24 (mm) 2.56"x1.77"x0.95" (inch)
	ATM024T-F: L69.85 x W48 x H26 (mm) 2.75"x1.89"x0.95" (inch)
	ATM024T-F: L88.97 x W50.8 x H24 (mm) (wafer) 3.5"x2"x0.95" (inch)
	Weight
	ATM012T-F: 36 g (Ref.) ATM024T-F: 58 g (Ref.)

