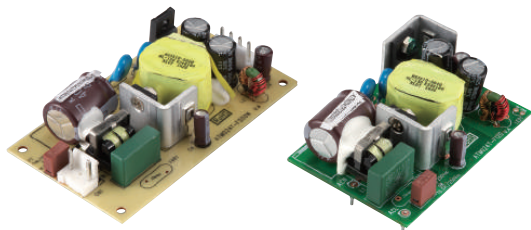


12 or 24W IT / Medical Open Frame Series



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: < 100uA
- 100 - 240Vac Wide Universal Input
- Two Models (Single Output to 12W or 24W)
- Regulated Output with Low Ripple & Noise
- Modified and Custom Design Available
- 2 Years Warranty
- No Load Power Consumption Less Than 0,075W

Input

Voltage: 100 - 240Vac / 50 - 60Hz
Current: 12W: 0,29 - 0,17A / 24W: 0,55A - 0,3A
Protection: Internal Primary Current Fuse

Output

Load Regulation: $\pm 5\%$ (Typical)
Ripple & Noise: 2% Vp-p Max. for Output Voltage at
Transient Response: Full Load 0,5mS for 50% Load Change Typical
Hold Up Time: 10mS at Full Load

Protection: - Short Circuit Protection (SCP)
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)

Safety Approval

I.T.E: CB / UL / cUL / FCC / CE
Medical: CE / TÜV / UL / cUL / FCC

Electrical

Topology: Switching Flyback
Dielectric Withstand: 4000Vac Primary - Secondary
Touch CuCurrent: < 100uA
MTBF: 300K Calculated Hours at 25°C Telcordia SR-332

Environmental

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

Model	O/P Voltage	O/P Current	Watt
M012T-F033	3.3V	2.50A	8.25 W
M012T-F050	5.0V	2.00A	10.00 W
M012T-F120	12.0V	1.00A	12.00 W
M012T-F150	15.0V	0.80A	12.00 W
M012T-F240	24.0V	0.50A	12.00 W

Model	O/P Voltage	O/P Current	Watt
M024T-F033□	3.3V	4.50A	14.85 W
M024T-F050□	5.0V	4.40A	22.00 W
M024T-F120□	12.0V	2.00A	24.00 W
M024T-F150□	15.0V	1.60A	24.00 W
M024T-F240□	24.0V	1.00A	24.00 W
M024T-F480□	48.0V	0.50A	24.00 W

M012T - F X X X

→ O / P Voltage

M024T - F X X X □

← O / P Voltage

→ W : Wafer
Blank : 4 Industrial Pins

Mechanical	
Dimension	M012T-F: L65 x W44.7 x H24 (mm)
	2.56"x1.77"x0.95" (inch)
	M024T-F: L69.85 x W48 x H26 (mm)
	2.75"x1.89"x0.95" (inch)
	M024T-F: L88.97 x W50.8 x H24 (mm)
Weight	(Wafer) 3.5"x2"x0.95"
	M012T-F: 42g (Ref.)
	M024T-F: 58g (Ref.)