

MPM-X20 SERIES:



20 Watt Medical Desktop Switcher

- 4.33 x 1.97 x 1.35" Desktop

Features:

- Class II Medical Safety Approvals
- Universal AC Input
- Class B Emissions
- 2 Year Warranty

INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	50A @ 240 VAC Cold Start
Input Current	0.6A @ 264 VAC (max)
Input Protection	Dual Fuse
Hold-Up Time	16mS minimum

GENERAL:

Efficiency	75% Typical
Operating Temperature	0-40°C Full Load (derate 5%/°C up to 50°C max)
Storage Temperature	-20°C to +85°C
Over-Temp Protection	Included
Cooling	Convection
Operating Humidity	10-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis

OUTPUT:

Adjustment Range	Set at Factory
Minimum Load	None
Regulation	See Output Table
Ripple & Noise	See Output Table
Overload Protection	Auto-Recovery
Over Voltage	Auto-Recovery
Short Circuit Protection	Trip without damage & auto-recovery

EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

APPROVALS:

Emissions	EN55011 / EN55022 "B" FCC Part 15 Subject J Class B
Safety Approvals	EN 60601-1 CE Mark (LVD)

MPM-X20 SERIES:

Output Specifications:

Model	Output Voltage	Min. Output Current	Rated Output Current	Peak output Current	Line Regulation	Load Regulation	Voltage Regulation	Ripple & Noise
MPM-X20-05	+5V	0A	4A	5A	±1%	±1%	±2%	50mV
MPM-X20-09	+9V	0A	2.2A	2.5A	±1%	±1%	±2%	90mV
MPM-X20-12	+12V	0A	1.7A	2A	±1%	±2%	±2%	100mV
MPM-X20-13	+13V	0A	1.5A	1.7A	±1%	±2%	±2%	100mV
MPM-X20-15	+15V	0A	1.5A	1.5A	±1%	±2%	±2%	100mV
MPM-X20-22	+22V	0A	0.8A	1.1A	±1%	±2%	±2%	150mV
MPM-X20-24	+24V	0A	0.8A	1A	±1%	±2%	±2%	150mV

