

APS15AM SERIES:



15 Watt Medical Switcher

- 2.56 x 1.77 x 0.87" Encapsulated Package

Features:

- Universal AC Input
- EN6100-3-2 Compliant
- International Medical Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	32.5A @ 240 VAC Cold Start
Input Current	0.32A @ 115 VAC / 0.15A @ 230 VAC
Input Protection	Use External Fuse
Hold-Up Time	20mS @ 115VAC / 120ms @ 230VAC Typical
Leakage Current	<750µA @ 230 VAC Maximum
Power Factor	0.90/0.99PF Typical @ 115/230 VAC (full load)

GENERAL:

Efficiency	70~80% minimum
Operating Temperature	-10-50°C Full Load
Storage Temperature	-40°C to +85°C
Over-Temp Protection	Included
Cooling	Convection
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis

OUTPUT:

Adjustment Range	-10~+20% (Trim Pot)
Minimum Load	None
Regulation	0.1% Lline / 0.1% Load Typical
Ripple & Noise	1% pk-pk typical
Overload Protection	125-150% of max power (Hiccup Mode)
Over Voltage	Foldback, about 130% of nominal (V1 only)
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	< 70mV peak deviation, 3msec 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	UL/EN 60950-1 CE Mark (LVD)

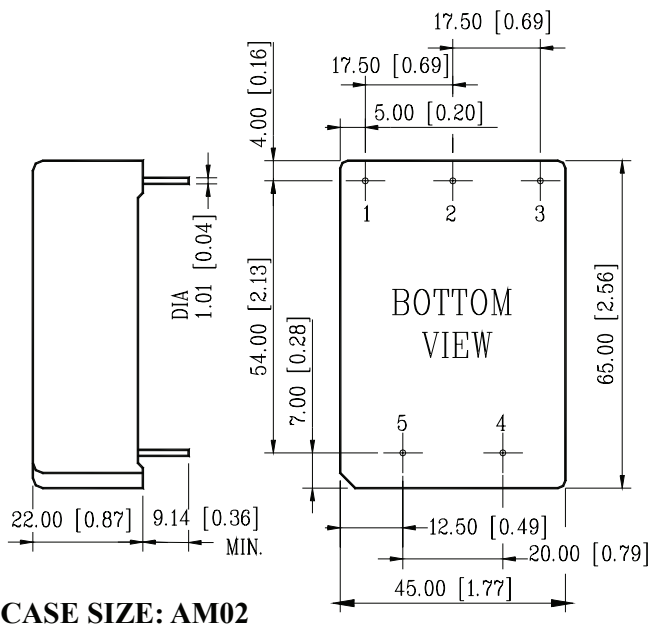
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Output Specifications:

Model:	V1	A1
APS15AM-180083	18V	1.00A
APS15AM-240062	24V	0.62A
APS15AM-360041	36V	0.41A
APS15AM-480031	48V	0.37A

MECHANICAL DIMENSIONS: MM [INCHES]

Weight: 120.0g (4.23 Oz).



PIN ASSIGNMENT

PIN NO.	SINGLE
PIN #1.	AC-GROUND
PIN #2.	AC-NEUTRAL
PIN #3.	AC-LINE
PIN #4.	+ VO1
PIN #5.	DC-COM

DERATING CHART

