

Features

Universal Input Voltage Range
80~264V AC

Approved to UL, CB, CE, RoHS &
REACH

EC/EN62368-1, IEC/EN60601-
1 Safety Approved

83% Efficiency

Extremely low leakage current

Single Output 5-24V DC

EMI class B for class II
configuration



41GA10M-SX Series

10W Encapsulated AC DC Power Supply



The 41GA10M-SX Series is a safe and consistent, medically approved Internal Power Supply (PSU) > PCB Mount Power Supplies. Designed for use in applications such as surgical, therapeutic and diagnostic machinery. This series is supplied with a Pin Connection input connection.

Model Number Information

41GA10M- SX

Series Name Output Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise(max.) (mVp-p)
41GA10M-S05	5	2	10	79	100
41GA10M-S12	12	0.85	10.2	82	180
41GA10M-S15	15	0.67	10	82	180
41GA10M-S24	24	0.46	11	83	200

Input Specifications	
Rated Voltage Range	100~240VAC
Voltage Range	80~264VAC
Frequency Range	47~63Hz
AC Current	0.3A (115Vac) 0.2A (230Vac)
Efficiency	83%
Inrush Current	Vi:115VAC 25 A, Vi:230VAC 45 A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V (Slow blow)

Output Specifications	
Output Voltage Accuracy	5V Models $\pm 3\%$ 12/15/24V Models $\pm 2\%$
Minimum Load	0%
Line Regulation	$\pm 0.3\%$
Load Regulation	$\pm 0.5\%$

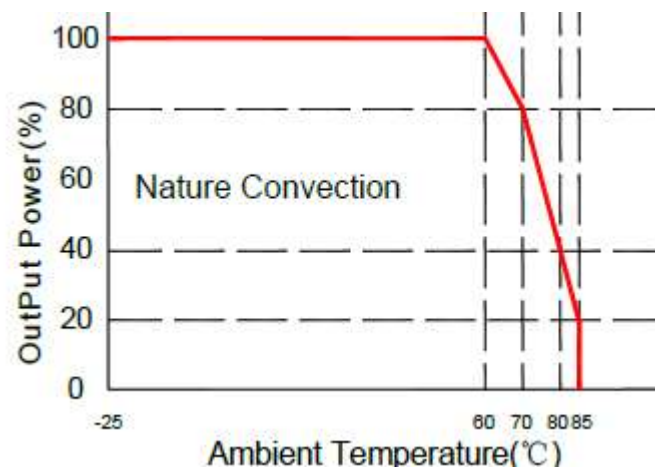
Protection	
Over Load	Above 110% rated output power Protection type: Recovers automatically after fault condition is removed
Short Circuit	Recovers automatically after fault condition is removed
Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
Over Voltage	110%-150% rated output Voltage Protection type: Zener diode clamp

Environmental Characteristics	
Isolation Voltage	Input / Output 4KVac/ 5mA/60Secs
Isolation Resistance	Input / Output, @500 Vdc 100 M Ω
Operating Temperature	Operating at Vi nom, Io nom -25 +85 °C
Storage Temperature	Non Operational -40 +100 °C
Relative Humidity	Vi nom, Io nom 95 % RH
Dimension	50.80x25.40x17.02mm
Cooling	Free air convection

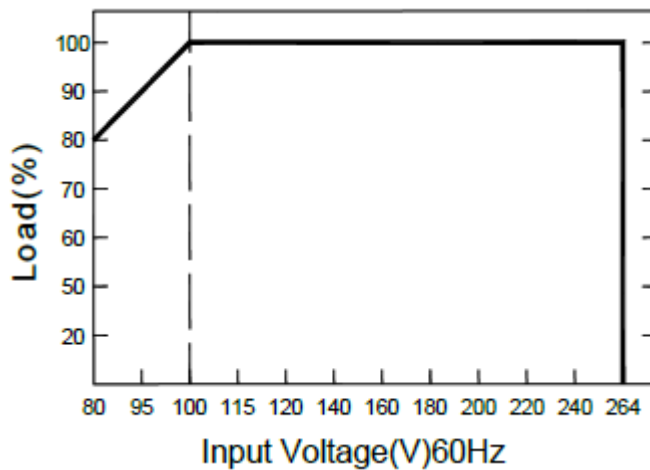
Safety	
Safety Standards	EC/EN62368-1, IEC/EN60601-1
Certifications	UL, CB, CE, RoHS & REACH

Dimensions & Weight		
	Measurements	Weight
41GA10M-SX Series	62 x 48 x 38 mm	40g Pcs
Outer Carton	460 x 240 x 220 mm	

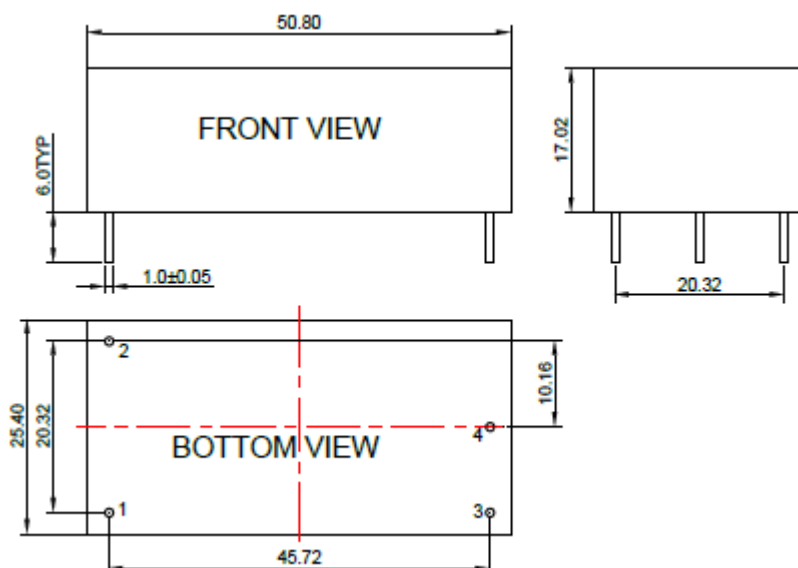
Temperature Derating Graph



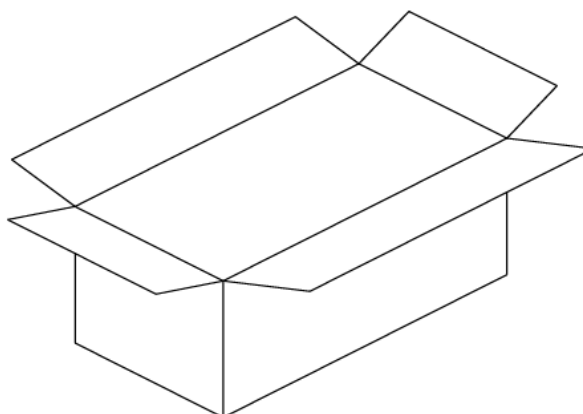
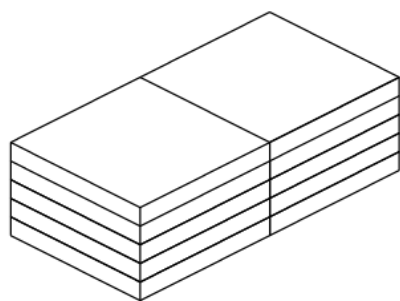
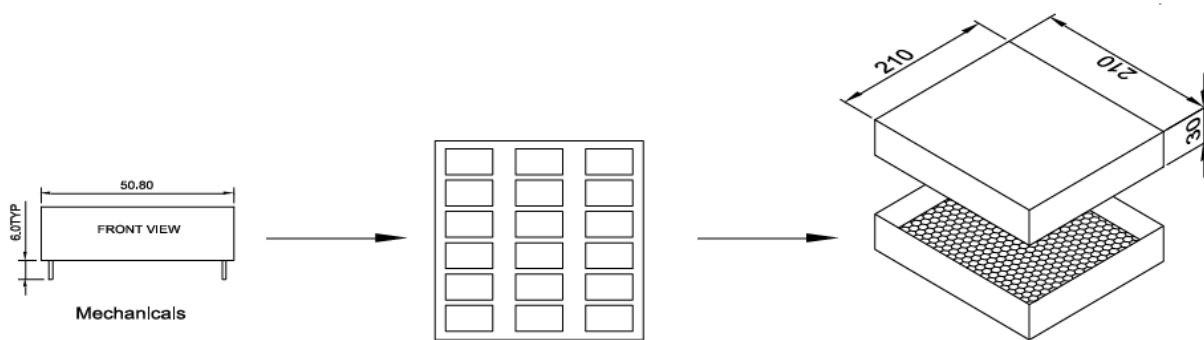
Output Derating VS Input Voltage



Output Derating VS Input Voltage



Packaging



UNIT:mm

Outer carton: 460x240x220mm