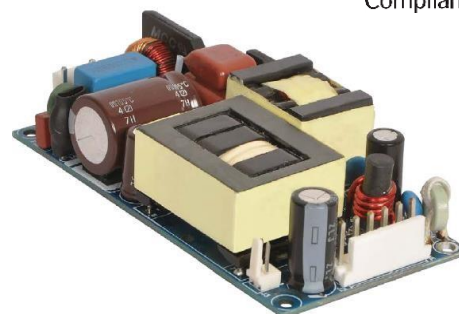


■ Features

- Single output: 120W(Convection cooling)
- Single output: 225W(Forced Air Cooling)
- Input voltage range: 90-264V
- Output current(2070mA-18750mA)
- 2"x4" form factor
- Efficiency to 94%
- Protections: SCP, OCP, and OVP
- Class 1 & Class 2 options
- Cover kit accessory available
- 12V fan output



*Product images are for illustrative purposes only and may vary from actual design.

■ Applications

- Network system, telecommunication system, storage system, industrial equipment, and consumer electronics

■ Model List*(See part number scheme for model number details)

Model Number	Input Voltage	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certificates
SPJ225-120-XY	90–264Vac	120/225W	12V	0	10A/18.75A*	92%	UL/cUL
SPJ225-150-XY	90–264Vac	120/225W	15V	0	8A/15A*	92%	UL/cUL
SPJ225-240-XY	90–264Vac	120/225W	24V	0	5A/9.37A*	93%	UL/cUL
SPJ225-300-XY	90–264Vac	120/225W	30V	0	4A/7.5A*	93%	UL/cUL
SPJ225-480-XY	90–264Vac	120/225W	48V	0	2.5A/4.68A*	94%	UL/cUL
SPJ225-580-XY	90–264Vac	120/225W	58V	0	2.07A/3.88A*	94%	UL/cUL

(*Rated current measured with forced air cooling, and has an output power of 225W)

■ Technical Data

AC Input	85-264Vac/390Vdc
Input Frequency	47-63Hz
Input Current	115Vac: 2.2A max 230Vac: 1.1A max
No load Power	Less than 0.5W
Inrush Current	115Vac: 25A, 230Vac: 45A, 264Vac: 75A
Leakage Current	300µA Typical, (N.A. for Class II option) Touch current <100µA
Hold-up Time	225W:10ms; 120W:16ms
Power Factor	Exceeds 0.95 with full load
Output Power	Forced cooling: 225W with 13 CFM Convection cooling: 120W
Line Regulation	±0.5%
Load Regulation	±0.5%
Transient Response	25% step load change, at 0.1A/uS slew rate, 50% duty cycle, 50Hz=4% recovery time <5ms
Rise Time	55ms typical
Set Point Tolerance	±1%

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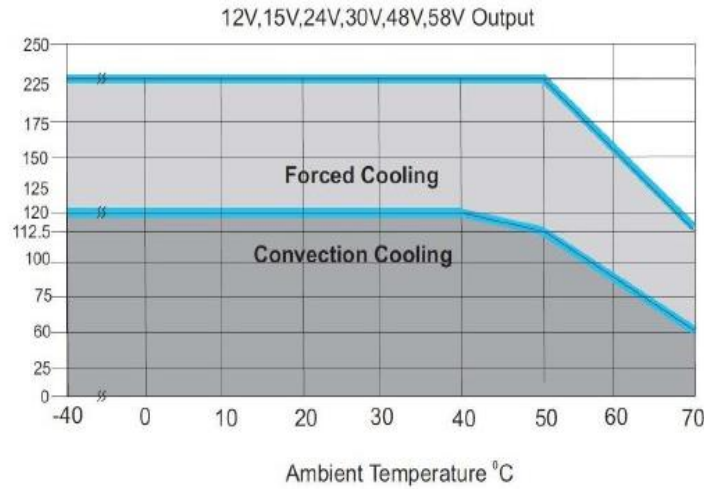
■ **Technical Data(cont.)**

Over Current Protection	>110%
Over Voltage Protection	110% to 140%
Short Circuit Protection	Hiccup mode
Switching Frequency	PFC-70 to 130KHz, PWM-50 to 80KHz
Operating Temperature	-40-+70°C
Storage Temperature	-40-+85°C
Relative Humidity	5-95% Rh, noncondensing
Altitude	Operating: 16,000ft.; Nonoperating: 40,000 ft.
MTBF	3.37m Hours, Telcordia-SR332-issue 3
Isolation Voltage	Input to Output-3000Vac for ITE application Input to GND -1500Vac (Not Applicable for Class II option)
Cooling	Forced Cooling: 225W Convection: 120W

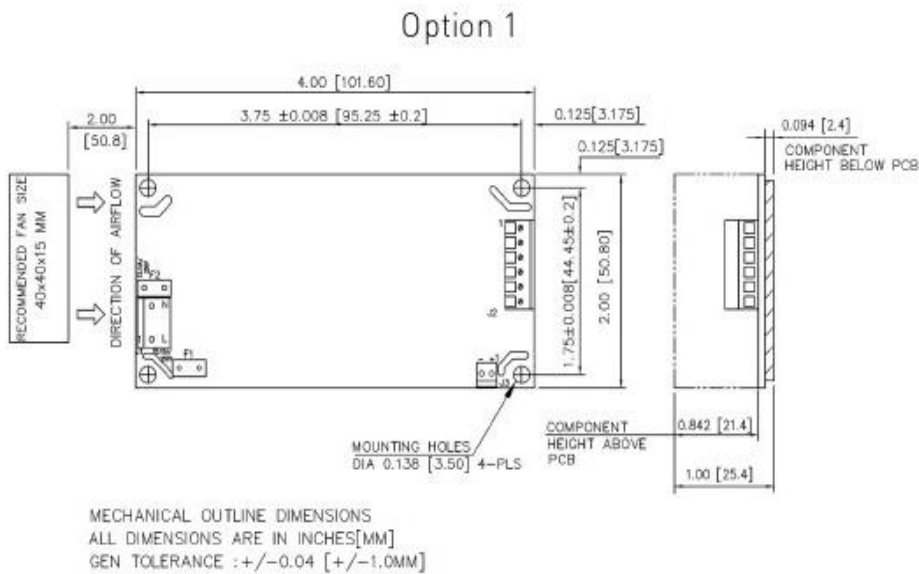
■ **Safety and EMC Approval**

CE Mark	Complies with LVD Directive
Conducted Emissions	EN55022-B, CISPR22-B, FCC Par15 Class B
Static Discharge	EN61000-4-2, Level-3
RF Field Susceptibility	EN61000-4-3, Level-3
Fast Transients/Bursts	EN61000-4-4, Level-3
Radiated Emissions	Level A radiated Level B radiated with external core (King core K5B RC 25x12x15-M in input cable {5 turns})
Surge Susceptibility	EN61000-4-5, Level-3
Harmonic Current	EN6100-3-2, Class D
Safety Standards	EN60950-1, IEC60950-1 (2 nd edition), UL60950(2 nd edition), CSA C22.2 No.60950-1 (2 nd edition), Class 1 SELV, GB4943. 1-2011; GB9254-2008; GB17625. 1-2012

■ Derating Curve

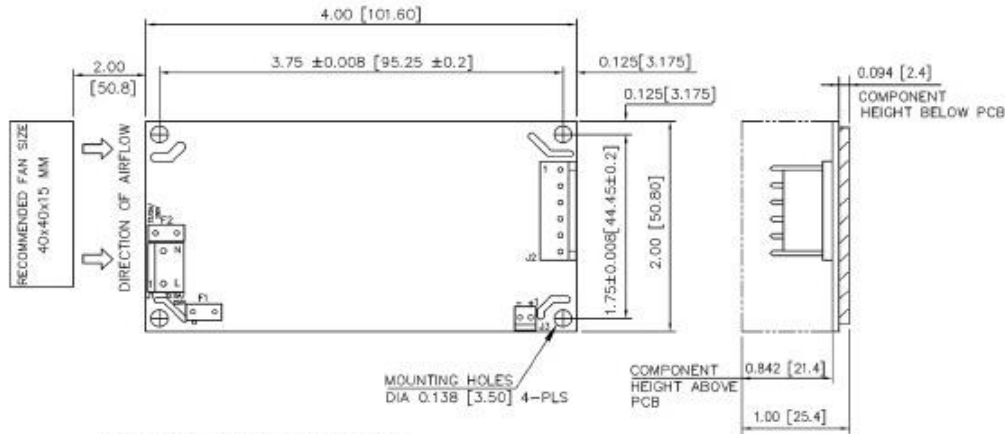


■ Mechanical Diagram



- Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following
1. Stand off, used to mount PCB has OD of 5.4 mm max.
 2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
 3. Washer, if used, to have dia of 6.5 mm max.

Option 2

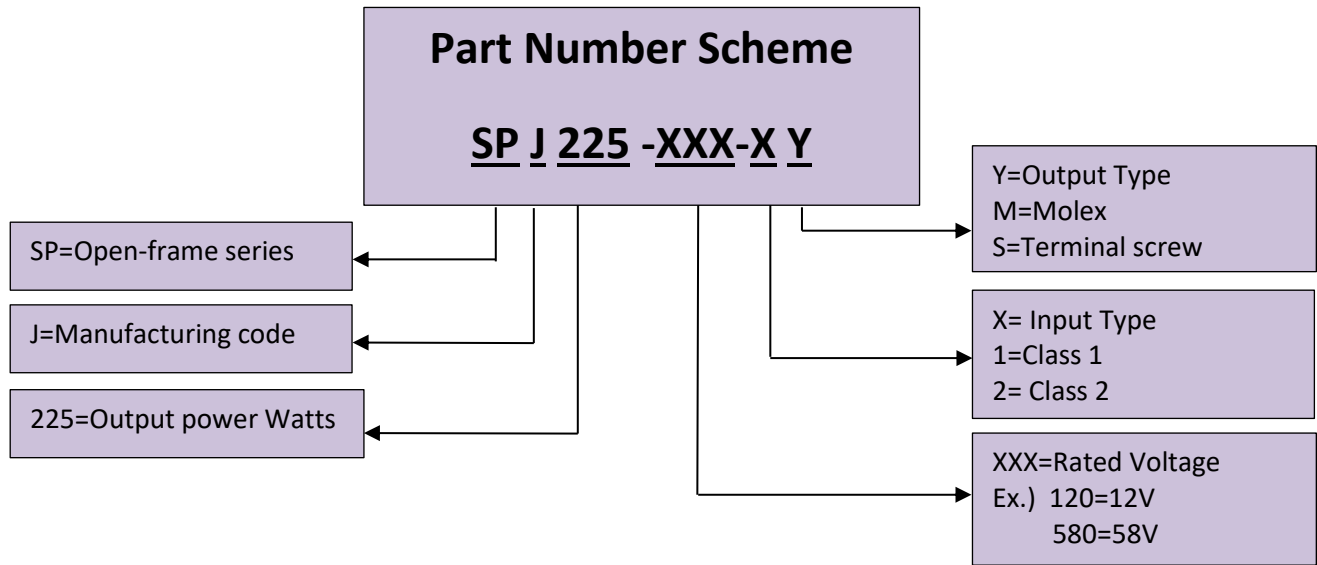


MECHANICAL OUTLINE DIMENSIONS
ALL DIMENSIONS ARE IN INCHES[MM]
GEN TOLERANCE : +/-0.04[+/-1.0MM]

- Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following
1. Stand off, used to mount PCB has OD of 5.4 mm max.
 2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
 3. Washer, if used, to have dia of 6.5 mm max.

Connectors		
J1	Pin 1	AC Line
	Pin 2	Not Fitted
	Pin 3	AC Neutral
J2 Option 1&2	Pin 1, 2, 3	V1 +VE
	Pin 4, 5, 6	V1 -VE
J3	Pin 1	FAN +VE
	Pin 2	FAN -VE

Mechanical Specifications	
AC Input Connector (J1)	Molex: 26-60-4030 or equivalent Mating: 09-50-3031; Pins: 08-50-0106
DC Output Connector (J2)	Option 1 Screw Terminal: Molex: 39357 Series or equivalent
Aux(Fan) Output(J3)	Option 2 Molex Connector: Molex: 26-60-4060 Mating: 09-50-3061; Pins: 08-50-0106
Dimensions	AMP: 640456-2 Mating: 640440-2
Weight	4x2x1 in. (101.6x50.8x25.4mm) 200g



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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**