

■ Features

- Single output to 40W
- Input voltage range: 90-264V
- Output current(500mA-8000mA)
- 2"x 4" form factor
- Efficiency to 85%
- Protections: OVP, SCP, and OVP
- Single to triple outputs
- Class 1 & Class 2 options
- Cover kit accessory available



*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
SPJ40-051-XY	90-264Vac	40W	5.1V	0	8A	85%	UL/cUL
SPJ40-120-XY	90-264Vac	40W	12V	0	3.5A	85%	UL/cUL
SPJ40-150-XY	90-264Vac	40W	15V	0	2.7A	85%	UL/cUL
SPJ40-240-XY	90-264Vac	40W	24V	0	1.7A	85%	UL/cUL
SPJ40-400-XY	90-264Vac	40W	40V	0	1A	85%	UL/cUL
SPJ40-480-XY	90-264Vac	40W	48V	0	0.83A	85%	UL/cUL
SPJ40-3000-XY	90-264Vac	40W	V1=5.2V	V1=0.5A	V1=6A	85%	UL/cUL
			V2=12.5V	V2=0.1A	V2=2A		
			V3=12.8V	V3=0A	V3=0.5A		
SPJ40-3001-XY	90-264Vac	40W	V1=5.2V	V1=0.5A	V1=6A	85%	UL/cUL
			V2=23.8V	V2=0.1A	V2=1A		
			V3=12.8V	V3=0A	V3=0.5A		
SPJ40-3002-XY	90-264Vac	40W	V1=5.2V	V1=0.5A	V1=6A	85%	UL/cUL
			V2=14.6V	V2=0.1A	V2=1.5A		
			V3=14.8V	V3=0A	V3=0.5A		
SPJ40-3003-XY	90-264Vac	40W	V1=3.3V	V1=0.5A	V1=6A	85%	UL/cUL
			V2=5.2V	V2=0.1A	V2=1.5A		
			V3=12.8V	V3=0A	V3=0.5A		

■ Technical Data

AC Input	90-264Vac
Input Frequency	47-400Hz
Input Current	120Vac: 0.85A max 230Vac: 0.45A max
No Load Power	<0.3W for single output models, <0.5W for multi output models
Inrush Current	120Vac: 30A max., 230Vac: 60A max.
Leakage Current	120Vac: <500µA, 230Vac: <1000µA

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■ Technical Data(cont.)

Hold-up Time	>10ms@120Vac Typical
Output Power	40W
Line Regulation	±0.3%
Load Regulation	V1: ±0.5%. V2 & V3: ±5%
Transient Response	<10%, 50% to 100% load change, 50/60Hz, 50% duty cycle, 0.1A/μs, recovery time <5ms
Rise Time	<100ms
Set Point Tolerance	V1: ±3%; V2 & V3: ±5%
Output Adjustability	V1: ±10%
Over Current Protection	130% typical above rating
Over Voltage Protection	130% typical for V1 only
Short Circuit Protection	Short term, auto recovery
Switching Frequency	Approximately 67kHz
Operating Temperature	-20-70°C, refer derating curve; -20-0°C, start-up is guaranteed
Storage Temperature	-40-+70°C
Relative Humidity	95% Rh, noncondensing
Altitude	Operating: 10,000ft.; Nonoperating: 40,000 ft.
MTBF	1.87m Hours, Telcordia-SR332-issue 3
Isolation Voltage	Min. 4242 Vdc between input to output
Cooling	Convection

■ Safety and EMC Approval

CE Mark	Complies with LVD Directive
Conducted Emissions	EN55022-B, CISPR22-B, FCC Par15-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	EN55022-B, CISPR22-B, FCC Par15-B to be controlled in end system
Surge Susceptibility	EN61000-4-5, Level-3
Harmonic Current	EN61000-3-2, Class A
Safety Standards	IEC60950-1(2 nd edition), EN60950-1, UL60950-1(2 nd edition), CSA C22.2 No. 60950-1(2 nd Edition), Class 1 SELV

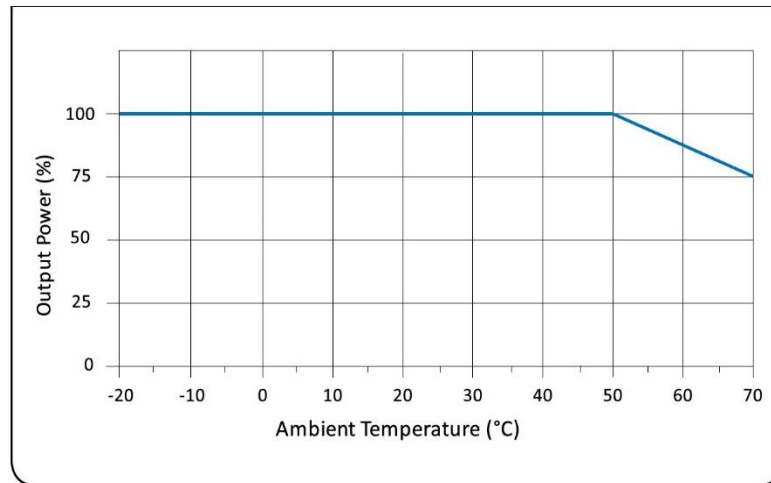
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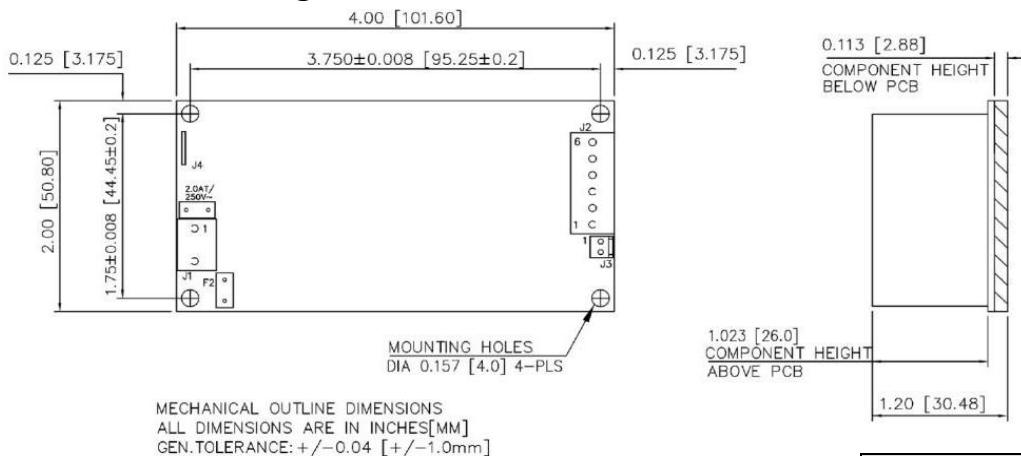
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Derating Curve



Mechanical Diagram



Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following

- Stand off, used to mount PCB has OD of 5.4 mm max.
- Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
- Washer, if used, to have dia of 6.5 mm max.

Mechanical Specifications	
AC Input Connector (J1)	Molex: 26-60-4030 or equivalent Mating: 09-50-3031; Pins: 08-50-0160
Earth	Molex: 19705-4301 Mating: 190030001
DC Output Connector (J2)	Tyco: 640445-6 or equivalent Mating: 647402-6; Pins: 3-647409-1
Signal Connector (J3)	Molex: 22-23-2021 or equivalent Mating: 22-01-2021
Dimensions	4x2x1.2 in. (101.6x50.8x30.48mm)
Weight	150g

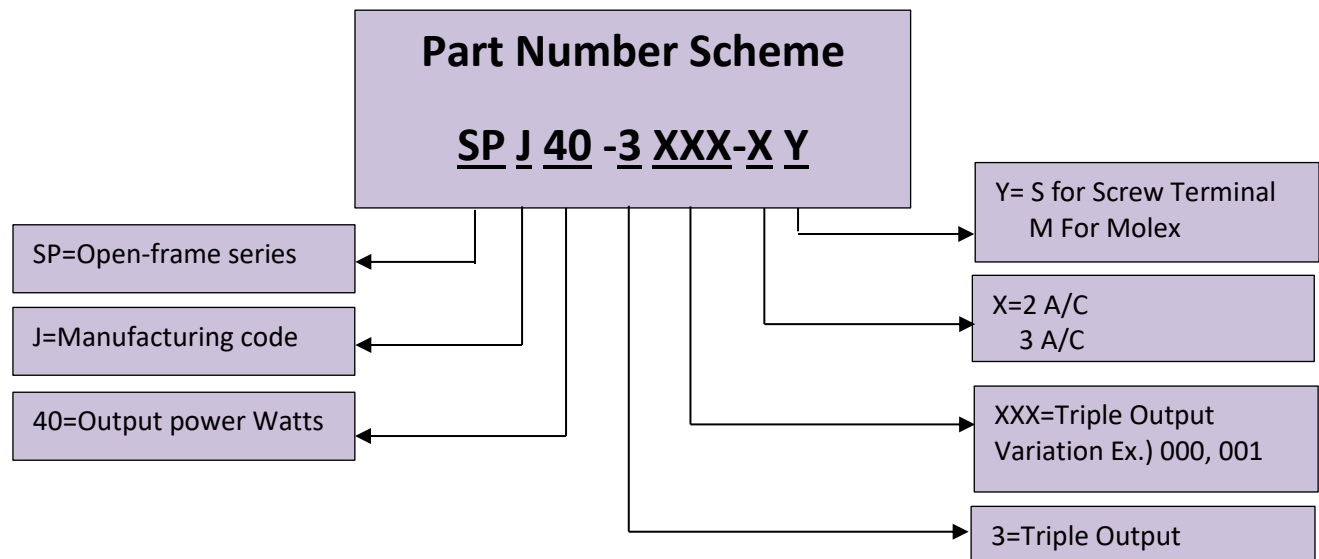
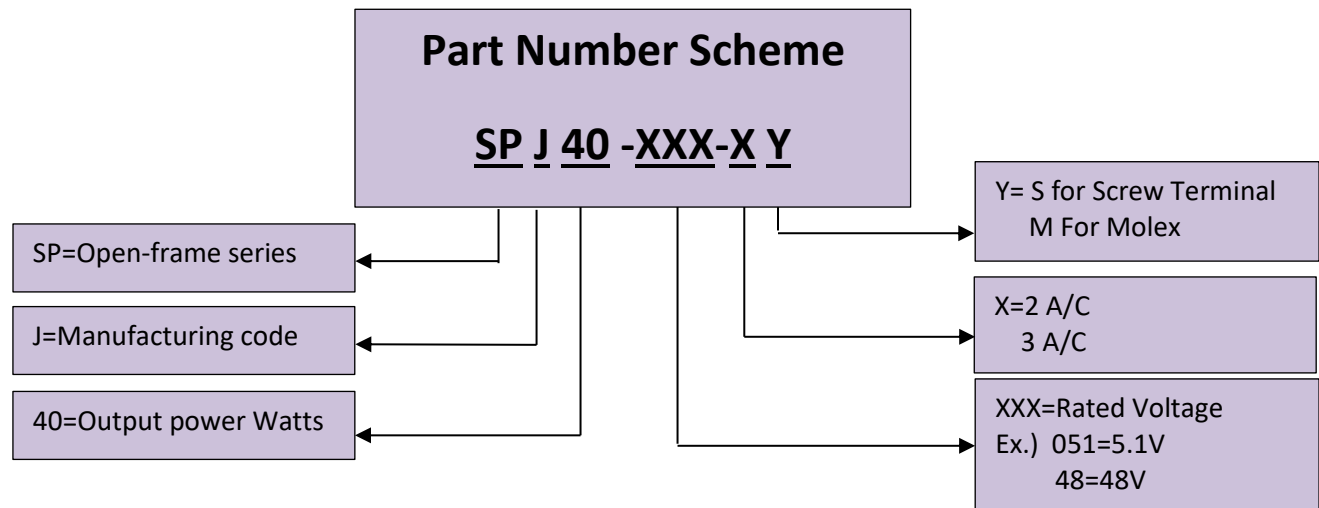
Connectors		
J1	Pin 1	AC Neutral
	Pin 2	AC Line
Spade Connector		Earth
J2	Pin 1	V1
	Pin 2	V1
	Pin 3	RTN
	Pin 4	RTN
	Pin 5	V3
	Pin 6	V2
J3	Pin 1	+V1 Sense
	Pin 2	-V1 Sense

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