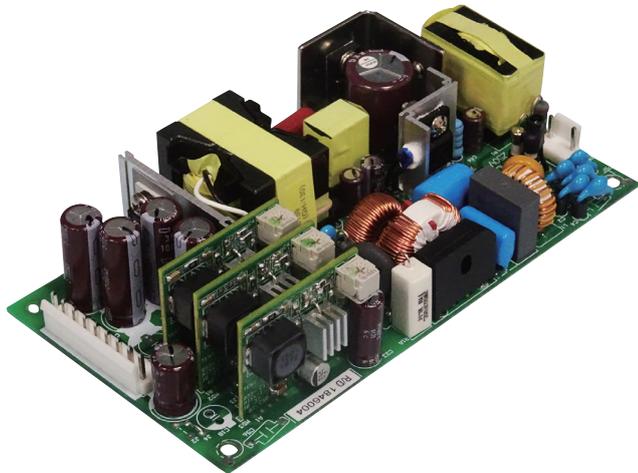


Rated	150 W
Max.	220 W
Peak	300 W



3.15" x 5.91" x 1.496"

General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 30/60A at 115/230VAC
 Hold up time 18ms typical
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -30°C to 70°C
 derating: 2.5% / °C > 50°C for each output

Features:

- Quad trimmable outputs
- Peak load is 2 times of rated load for 4.5 sec.
- Convection cooling for Rated power
- Built-in active PFC
- For BF application
- EMI class B
- -30°C to +70°C operating temperature
- 5,000m operation altitude

Applications:

- For ITE and Medical applications

EMI EN55032 "B", EN55011 "B"
 Harmonics EN61000-3-2, class A & class D
 Flicker EN61000-3-3
 EMS..... EN55024, EN60601-1-2:4th edition
 Safety UL/CSA/EN62368-1, 2nd & 3rd edition
 ANSI/AMMI/CSA/EN60601-1, 3.1 edition
 CB report, CE mark, RM report/file

Output Specifications:

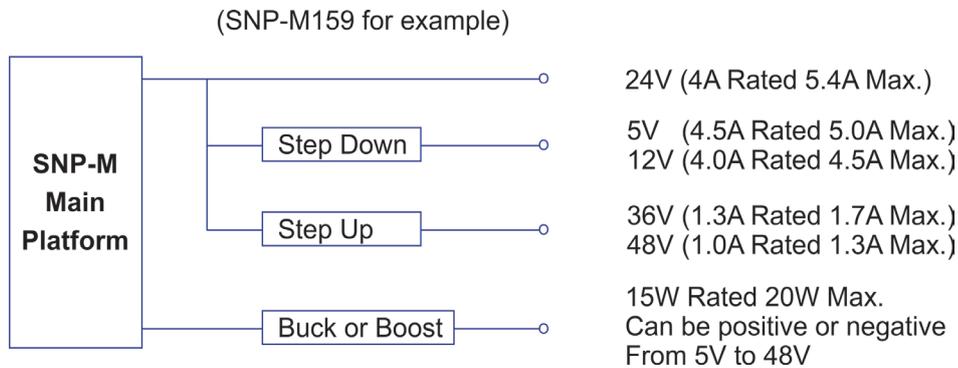
Model No.	Output ¹⁾ Voltage	Load (A) ²⁾			Average Efficiency	Load Regulation
		Rated	Max.	Peak		
SNP-M159-01	+24V	3.2	5.0	9.0	87%	±1%
	+5V	4.5	5.0			±1%
	+12V	4.0	4.5			±1%
	-12V	1.25	1.66			±1%
SNP-M159-J3	+24V	3.5	5.4	9.0	87%	±1%
	+5V	4.5	5.0			±1%
	+36V	1.3	1.7			±1%
	-12V	0.6	1.0			±1%
SNP-M159-J2	+24V	3.5	5.4	9.0	87%	±1%
	+12V	4.0	4.5			±1%
	+36V	1.3	1.7			±1%
	-12V	0.6	1.0			±1%
SNP-M159-T3	+24V	3.5	5.4	9.0	88%	±1%
	+5V	4.5	5.0			±1%
	+48V	1.0	1.3			±1%
	-12V	0.6	1.0			±1%
SNP-M159-T2	+24V	3.5	5.4	9.0	88%	±1%
	+12V	4.0	4.5			±1%
	+48V	1.0	1.3			±1%
	-12V	0.6	1.0			±1%

Note:

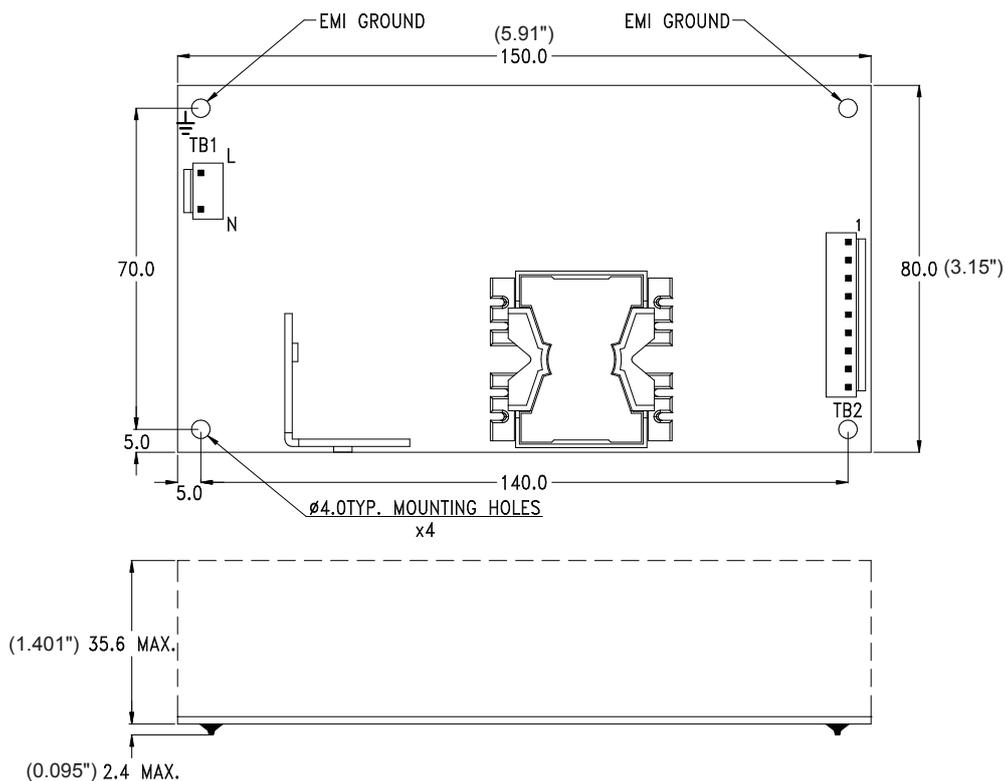
1. The +5Vdc output voltage is adjustable from 3Vdc to 5.5Vdc. The +12Vdc output voltage is adjustable from 12Vdc to 18Vdc. The +36Vdc output voltage is adjustable from 32Vdc to 40Vdc. The +48Vdc output voltage is adjustable from 43Vdc to 53Vdc.
2. Convection cooling for Rated load ; 10 CFM forced air cooling for Max. load ; Peak load can last for 4.5 sec.
3. The output voltage can be trimmed upon request, but the adjustable range for output voltage should be refer to the above mentioned range on item 1.

	M15	
Rated	150	W
Max.	220	W
Peak	300	W

Block Diagram:



Mechanical Specifications:



Notes:

- Size: 3.15" x 5.91" x 1.496"
80 x 150 x 38 (mm)
- Mounting Holes: 67.6 x 137.6 (mm)
- Connectors:
TB1 -- AC Input: JST B2P3-VH or Molex 5277-02 or equivalent
TB2 -- DC Output: JST B9P-VH or Molex 5273-09 or equivalent

PIN NO.	1	2	3	4	5	6	7	8	9
SNP-M159-01	-12V	+12V	+5V	+5V	GND	GND	GND	+24V	+24V
SNP-M159-J3	-12V	+36V	+5V	+5V	GND	GND	GND	+24V	+24V
SNP-M159-J2	-12V	+12V	+36V	+36V	GND	GND	GND	+24V	+24V
SNP-M159-T3	-12V	+48V	+5V	+5V	GND	GND	GND	+24V	+24V
SNP-M159-T2	-12V	+12V	+48V	+48V	GND	GND	GND	+24V	+24V