General Purpose (Universal)

Rated 150W Peak 225W SNP-C15 Series



Features:

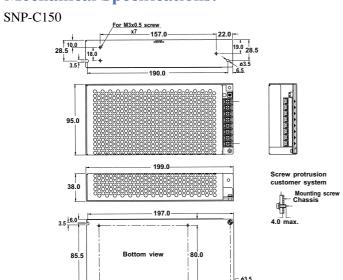
- With ITE safety
- Only 1.49 inch height
- With power good LED
- With output adjustable trimmer
- Efficiency between 80% to 87%
- Operation from 0°C to 70°C by convection

General Specifications:

Input voltage	85VAC to 264VAC
Input frequency	47Hz to 63Hz
Inrush current	less than 30A at 115VAC
	less than 60A at 230VAC
	cold start, 25°C
Efficiency	80%~87% depends on models
•	at rated load and 115VAC
Hold up time	16mS typical
•	at rated load and 115VAC
Over load protection	auto recovery

Short circuit protection	auto recovery
Over voltage protection	latch off
Operating temperature	0 to 70°C convection
	derating: $2.5\% / ^{\circ}\text{C} > 50^{\circ}\text{C}$
Cooling	free air convection
Storage temperature	40°C to +75°C
EMI	FCC"B"
	EN55022"B", EN55011"B"
EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety	UL 60950-1
	CSA 22.2 No.234-1
	EN 60950-1

Mechanical Specifications:



Notes:

- 1. Dimensions shown in mm as left. Tolerance: ±0.4mm.
- 2. Size: 95 X 199 X 38 (mm) 3.74" X 7.83" X 1.49"
- 3. Packing:
 Net weight: 770 g approx. / unit
 Gross weight: 18.8 kg approx. / carton, 20 units / carton
 Carton size (mm): 519 (L) x 326 (W) x 285 (H)
- 4. Connectors
- AC input & DC output : Terminal Block, pitch of 8.25mm
- Output Pin assignment:

PIN NO.	1	2	3	4	5	6	7	8
SNP-C157	AC/L	AC/N	Earth	GND	+12V			
SNP-C158	AC/L	AC/N	Earth	GND	+15V			
SNP-C159	AC/L	AC/N	Earth	GND	+24V			
SNP-C15T	AC/L	AC/N	Earth	GND	+48V			
SNP-C153	AC/L	AC/N	Earth	+12V	GND	+5V		
SNP-C15A	AC/L	AC/N	Earth	+24V	GND	+5V		
SNP-C150	AC/L	AC/N	Earth	-12V	-5V	+12V	GND	+5V
SNP-C154	AC/L	AC/N	Earth	-15V	-5V	+15V	GND	+5V
SNP-C15F	AC/L	AC/N	Earth	-12V	+24V	+12V	GND	+5V
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Output Specifications:

MODEL	OUTPUT	LOAD				VOLTAGE	RIPPLE	LINE	LOAD	EFFICIENCY
NO.	RAIL	MIN.	RATED	MAX.	PEAK	ACCURACY	NOISE	REG.	REG.	TYPICAL
SNP-C157	+12V	0A	12.5A		9A	+11.4V~+12.6V	120mVpp	±1%	±1%	85%
SNP-C158	+15V	0A	10A		15A	+14.25V~+15.75V	150mVpp	±1%	±1%	85%
SNP-C159	+24V	0A	6.5A		10A	+22.8V~+25.2V	240mVpp	±1%	±1%	85%
SNP-C15T	+48V	0A	3.3A		5A	+45.6V~+50.4V	240mVpp	±1%	±1%	87%
SNP-C153	+5V +12V	0A 0A	12A 6A	15A 8A	18A 9A	+4.95V~+5.05V +11.4V~+12.6V	50mVpp 120mVpp	±1% ±1%	±2% ±2%	83%
SNP-C15A	+5V +24V	0A 0A	8A 4A	10A 5A	12A 6A	+4.95V~+5.05V +22.8V~+25.2V	50mVpp 480mVpp	±1% ±1%	±2% ±2%	83%
SNP-C150	+5V +12V -12V -5V	0A 0A 0A 0A	12A 5A 0.5A 1A	15A 7A 1A	20A 10A	+4.95V~+5.05V +11.4V~+12.6V -11.4V~-12.6V -4.95V~-5.05V	50mVpp 120mVpp 120mVpp 50mVpp	±1% ±1% ±1% ±1%	±3% ±3% ±3% ±3%	80%
SNP-C154	+5V +15V -15V -5V	0A 0A 0A 0A	12A 4A 0.5A 1A	15A 6A 1A	20A 8A	+4.95V~+5.05V +14.25V~+15.75V -14.25V~-15.75V -4.95V~-5.05V	50mVpp 120mVpp 120mVpp 50mVpp	±1% ±1% ±1% ±1%	±3% ±3% ±3% ±3%	80%
SNP-C15F	+5V +12V +24V -12V	0A 0A 0A 0A	6A 3A 3A 0.5A	8A 4A 4A 1A	10A 6A 5A	+4.95V~+5.05V +11.4V~+12.6V +22.8V~+25.2V -11.4V~-12.6V	50mVpp 120mVpp 240mVpp 120mVpp	±1% ±1% ±1% ±1%	±3% ±3% ±3% ±3%	80%

Note:

- $1. \quad The max, load can be continuously provided at 50 ^{\circ}C and convection cooling conditions. The peak load can be temporarily provided up to 8 seconds.$
- 2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
- 3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
- 5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF + 10uF capacitor at rated load and nominal line.
- 6. Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.

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