

NQ Series

50W DC-DC Converter Quarter Brick



FEATURES

- Standard quarter brick size
57.9 x 36.8 x 12.7mm
2.28 x 1.45 x 0.49 inch
- 2:1 input voltage: 36 - 75VDC
- Output power: 18 - 50W
- Isolated output
- High efficiency: 88 - 91%
- Remote control, trim functions

ENVIRONMENTAL

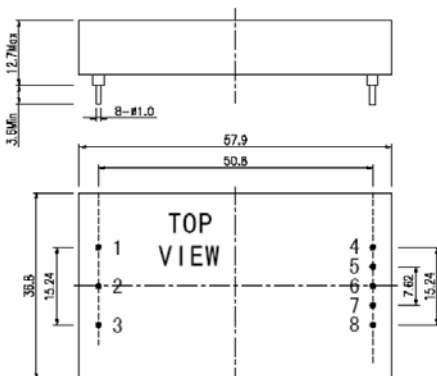
Storage Temp: -55°C to +125°C

Operating Temp: -40°C to +100°C

SAFETY / EMC

UL, TUV, CE, CSA

MECHANICAL



Pin Assignment

1	2	3	4	5	6	7	8
+Vin	CNT	-Vin	+Vout	+S	Trim	-S	-Vout

ELECTRICAL SPECIFICATIONS

INPUT

Input voltage range 36 - 75VDC

OUTPUT

Volt set point accuracy 120mV for 12V out

50mV for 5V & 3.3V out

30mV for 1.8V out

20mV for 1.2V out

Voltage adjust $\pm 10\%$ V out

Line regulation $\pm 0.1\%$ V out

Load regulation $\pm 0.2\%$ V out

Ripple & Noise 120mV p-p for 12V output

100mV p-p for 5V & 3.3V

100mV p-p for 1.5V & 1.8V

80mV p-p for 1.2V

Over-temp. Protection 100 - 125°C

ORDERING INFORMATION

Model	Input	Output	Power	Size (mm)
NQ50S48B	36 - 75VDC	1.2V/15A	18W	57.9 x 36.8 x 12.7
NQ50S48C	36 - 75VDC	1.5V/15A	23W	57.9 x 36.8 x 12.7
NQ50S48D	36 - 75VDC	1.8V/15A	27W	57.9 x 36.8 x 12.7
NQ50S48G	36 - 75VDC	3.3V/15A	50W	57.9 x 36.8 x 12.7
NQ50S48H	36 - 75VDC	5V/10A	50W	57.9 x 36.8 x 12.7
NQ50S48K	36 - 75VDC	12V/4.2A	50W	57.9 x 36.8 x 12.7

Specifications subject to change without notice

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