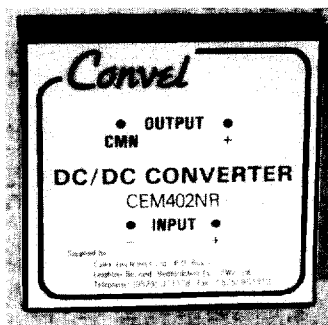


5 to 9 WATT DC/DC CONVERTERS CEM400NR SERIES

- Cost Effective Models
- 75% Efficiency
- Unregulated Outputs
- Pi Input Filter
- 500Vdc Isolation



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		CASE	ALT. PIN OUT
				NO LOAD	FULL LOAD		
CEM401NR	5 VDC	5 VDC	1000 mA	120 mA	1240 mA	C	S
CEM402NR	5 VDC	12 VDC	600 mA	125 mA	1820 mA	C	S
CEM403NR	5 VDC	15 VDC	500 mA	125 mA	1820 mA	C	S
CEM404NR	5 VDC	±12 VDC	±375 mA	150 mA	2160 mA	C	S
CEM405NR	5 VDC	±15 VDC	±300 mA	150 mA	2160 mA	C	S
CEM406NR	12 VDC	5 VDC	1000 mA	35 mA	500 mA	C	S
CEM407NR	12 VDC	12 VDC	600 mA	50 mA	730 mA	C	S
CEM408NR	12 VDC	15 VDC	500 mA	50 mA	730 mA	C	S
CEM409NR	12 VDC	±12 VDC	±375 mA	60 mA	880 mA	C	S
CEM410NR	12 VDC	±15 VDC	±300 mA	60 mA	880 mA	C	S

NOTE: Alternate pin-out version. To order, suffix, an "S" to the model number.
For example CEM401NRS, CEM408NRS. See case drawing below.

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted.

INPUT SPECIFICATIONS

Input Voltage Range ± 10%
Reflected Ripple Current, 20 MHz BW 75 mA P-P
Input Filter Pi Network

OUTPUT SPECIFICATIONS

Voltage Accuracy ± 3.0% max.
Ripple and Noise, 20MHz BW 100mV P-P max.
Short Circuit Protection Continuous
Line Regulation¹ ± 1.2%
Load Regulation² ± 8%

GENERAL SPECIFICATIONS

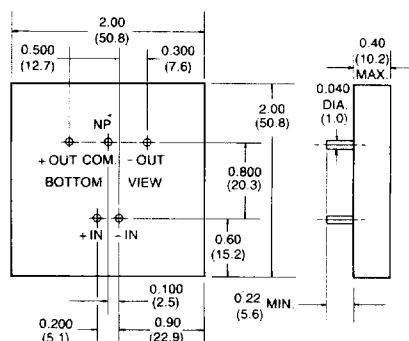
Efficiency 75%
Isolation Voltage 500 VDC min.
Isolation Capacitance 180pF
Isolation Resistance 10⁹ ohms
Switching Frequency 50kHz min.
Operating Temperature Range -25°C to +71°C
Storage Temperature Range -40°C to +100°C
Dimensions 2 x 2 x 0.4 inches
(50.8 x 50.8 x 10.2mm)

Case Material Non-Conductive Black Plastic

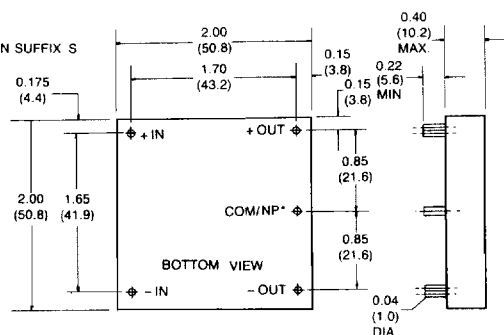
NOTE:

1. Per 1% change in Input Voltage.
2. For a Load change from 100% to 20%.

CASE C
STANDARD PIN CONFIGURATION



ALTERNATE PIN CONFIGURATION SUFFIX S



ALL DIMENSIONS IN INCHES (MM)

* NP (NO PIN) ON SINGLE OUTPUT MODELS

