

UM400NR SERIES

5 to 9 Watt DC-DC Converters

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

SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

INPUT SPECIFICATIONS

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

OUTPUT SPECIFICATIONS

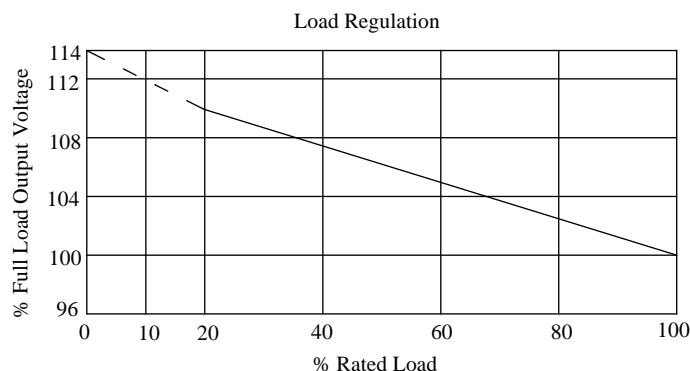
Voltage Accuracy $\pm 3.0\%$ max.
Ripple and Noise, 20MHz BW 100mV P-P max.
Line Regulation¹ $\pm 1.2\%$
Load Regulation² $\pm 10\%$

GENERAL SPECIFICATIONS

Efficiency 50%
Isolation Voltage 500 VDC min.
Isolation Capacitance 180pF
Isolation Resistance 10^8 Ohms min.
Switching Frequency 50 KHz min.
Operating Temperature Range
Ambient, None Derating -25°C to +71°C
Cooling Free Air Convection
Storage Temperature Range -40°C to +100°C
Dimensions CASE C 2*2*0.4 inches
(50.8*50.8*10.2mm)
Case Material Non-Conductive Black Plastic
UL94V-0
Weight 46g

NOTES

1. Per 1% change in input voltage.
2. For a load change from 100% to 20%.



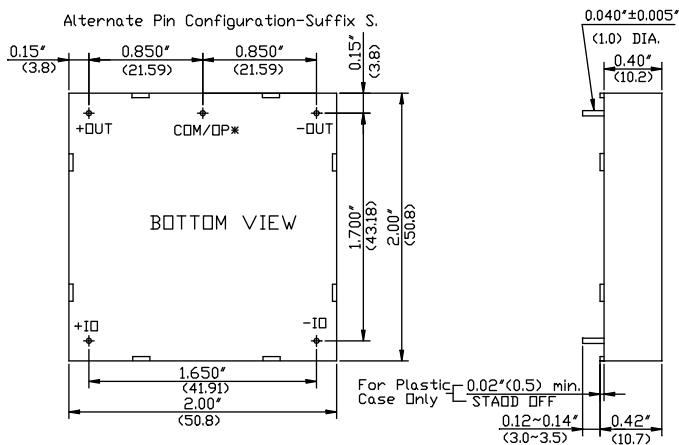
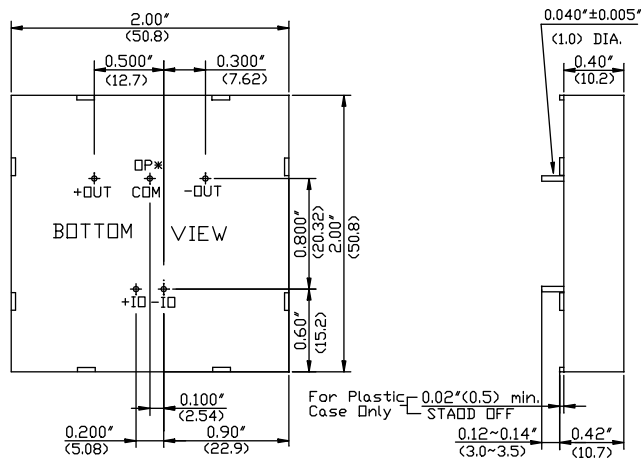
MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		CASE	ALT ¹ PIN OUT	MAXIMUM CAPACTIVE LOAD
				NO LOAD	FULL LOAD			
UM401NR	5 VDC	5 VDC	1000mA	120mA	1240mA	C	S	1000uF
UM402NR		12 VDC	600mA	125mA	1820mA			600uF
UM403NR		15 VDC	500mA	125mA	1820mA			500uF
UM404NR		± 12 VDC	± 375mA	150mA	2160mA			± 375uF
UM405NR		± 15 VDC	± 300mA	150mA	2160mA			± 300uF
UM406NR	12 VDC	5 VDC	1000mA	35mA	500mA	C	S	1000uF
UM407NR		12 VDC	600mA	50mA	730mA			600uF
UM408NR		15 VDC	500mA	50mA	730mA			500uF
UM409NR		± 12 VDC	± 375mA	60mA	880mA			± 375uF
UM410NR		± 15 VDC	± 300mA	60mA	880mA			± 300uF

NOTE:

1. Alternate pin-out version. To order, suffix, an "S" to the model number.
For example, UM401NRS, UM408NRS. See case drawing below.

CASE C

Standard Pin Configuration



NP*(NO PIN)ON SINGLE OUTPUT MODELS
All dimensions in inches(mm).
Tolerance .xx = ± 0.02
.xxx = ± 0.010