

LAN-2 SERIES

2 Watt LAN DC-DC Converters

- ◆ Ethernet Application
- ◆ Full Power to +71°C
- ◆ Wide Input Range
- ◆ Pi Input Filter
- ◆ 2500 VDC Isolation
- ◆ Short Circuit Protection

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range 10.2 to 15.75 VDC
Input Filter Pi Network

OUTPUT SPECIFICATIONS

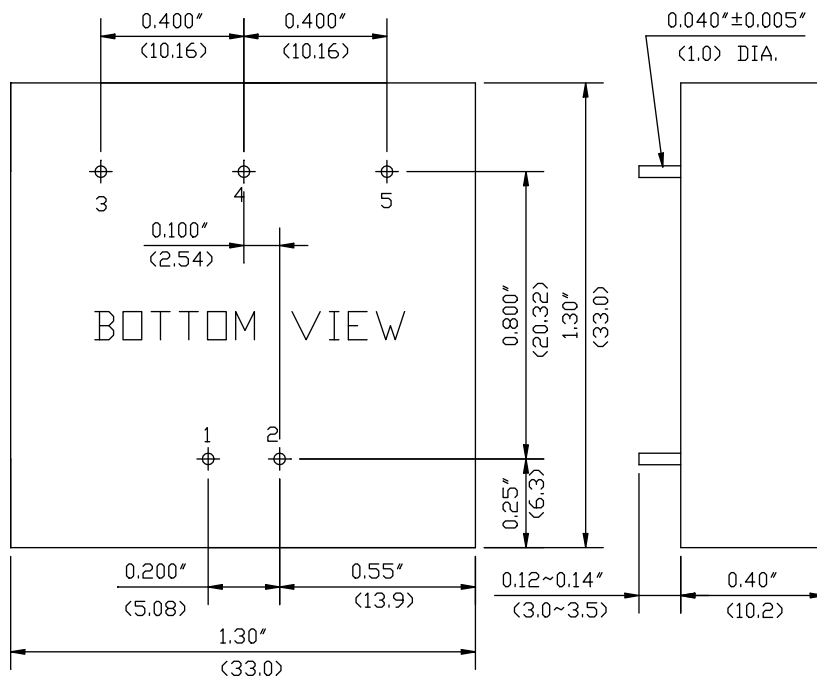
Voltage Accuracy,9 VDC ± 5%
Ripple and Noise, 20MHz BW 100mV P-P
Short Circuit Protection Power Foldback
Line Regulation ± 0.3%
Load Regulation ± 0.5%

GENERAL SPECIFICATIONS

Efficiency 50%
Switching Frequency 20 KHz min.
Isolation Voltage 2500 VDC min.
Operating Temperature Range,
Ambient, None Derating -25°C to +71°C
Cooling Free Air Convection
Storage Temperature Range -40°C to +85°C
Dimensions 1.3*1.3*0.4 inches
(33*33*10.2mm)
Case Material Non-Conductive Black Plastic
UL94V-0
Weight 23g

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		PIN CONN.	CASE
				NO LOAD	FULL LOAD		
UM-251E	5 VDC	9 VDC	250mA	150mA	890mA	B	G
UM-271E	12 VDC	9 VDC	250mA	50mA	380mA	B	G

CASE G



All dimensions in inches(mm)

Tolerance .xx = ± 0.02

.xxx = ± 0.010

PIN CONNECTIONS		
Pin	A	B
1	+Input	+Input
2	-Input	-Input
3	+10V Output	No Connection
4	Output Common	Output Common
5	+5V Output	-Output