

UM0200 SERIES

2 Watt DC-DC Converters

- ◆ Low Profile Molding SMD Package
- ◆ Unregulated Single Output
- ◆ 100% Burn-in at 70°C
- ◆ 500 VDC Isolation Voltage
- ◆ Toroidal Magnetics

- ◆ Single Isolated Output
- ◆ 5V /12V Input,9V Output
- ◆ Multi Layer Ceramic Capacitors
- ◆ Ideal For Mother Board, Pocket
- ◆ LAN,PCMCIA LAN Card Applications

SPECIFICATIONS

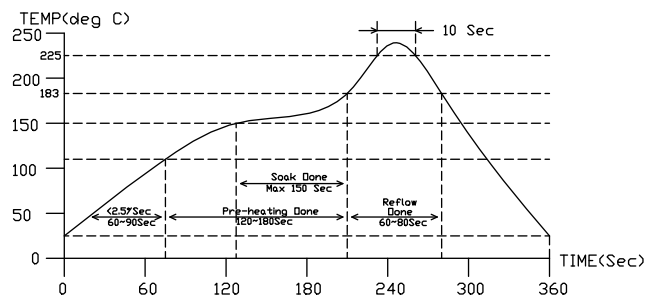
All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

ELECTRICAL SPECIFICATION

Input Voltage Range	± 10%
Input Filter	Capacitor
Output Voltage Accuracy ¹	± 5%
Ripple and Noise(20MHz BW)	100mV _{p-p}
Efficiency ²	68% min.
Isolation Voltage	500 VDC min.
Operating Frequency	80 KHz min.
Short Circuit Protection	short time.
Operating Temperature Range	0°C to +70°C
Storage Temperature Range	-55°C to +125°C
Package Material	Plastic Encapsulated
	UL 94V-0

NOTES

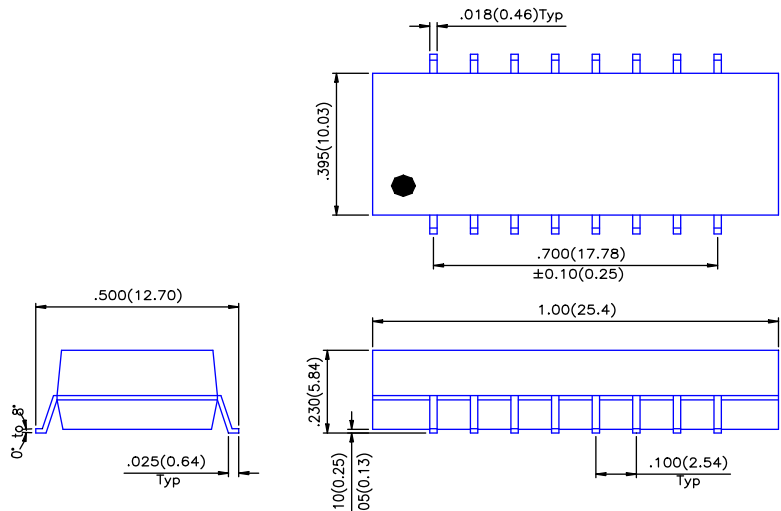
1. Nominal Line at Full Load.
2. Nominal Line at Full Load.
3. Recommended Reflow soldering



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	% EFF	ENABLE FUNCTION	MAXIMUM ¹ CAPACITIVE LOAD
UM0207N	5 VDC	9 VDC	200 mA	68%	NO	47uF
UM0217N	12 VDC	9 VDC	200 mA	68%	NO	47uF

NOTE: 1. Maximum capacitive load across the output ports should not be over indicated values.

MECHANICAL SPECIFICATIONS

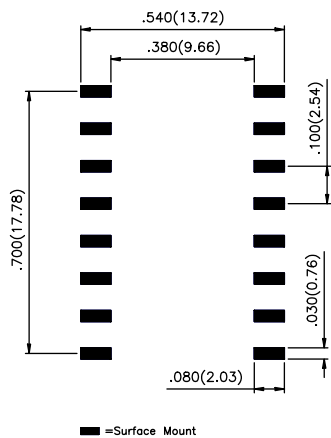


*Unless otherwise specified, tolerances are $\pm .005$ inches (0.13mm)
Coplanarity is $\pm .002(0.05)$

PIN CONNECTIONS	
Pin	Single Output
1	-Vi
2	CONTROL / NC*
3	+Vi
4	NC
5	NC
6	NC
7	+Vo
8	-Vo
9	NC
10	NC
11	NC
12	NC
13	NC
14	NC
15	NC
16	NC

NC*: No Connection

RECOMMENDED FOOTPRINT DETAILS



UNIVERSAL
MICROELECTRONICS