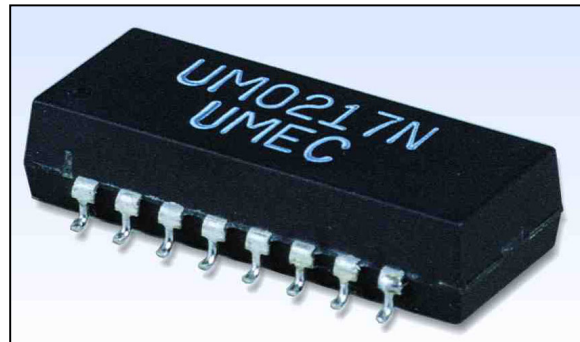


# UM0200 SERIES

## 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

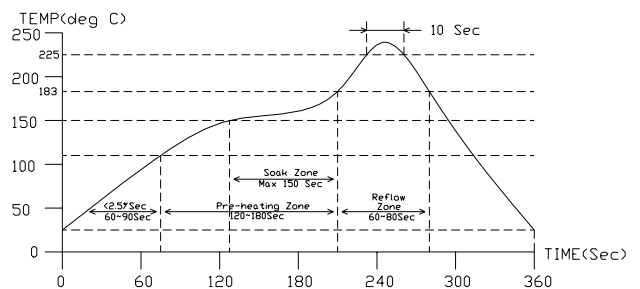
All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

### ELECTRICAL SPECIFICATION

Input Voltage Range .....	±10%
Input Filter .....	Capacitor
Output Voltage Accuracy <sup>1</sup> .....	±5%
Ripple and Noise(20MHz BW) .....	100mV <sub>p-p</sub>
Efficiency <sup>2</sup> .....	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.



**UMEC  
INTERNATIONAL**

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2539 W. 237TH STREET, SUITE A  
TORRANCE, CA 90505  
TEL: (310) 326-7072 FAX: (310) 326-7058

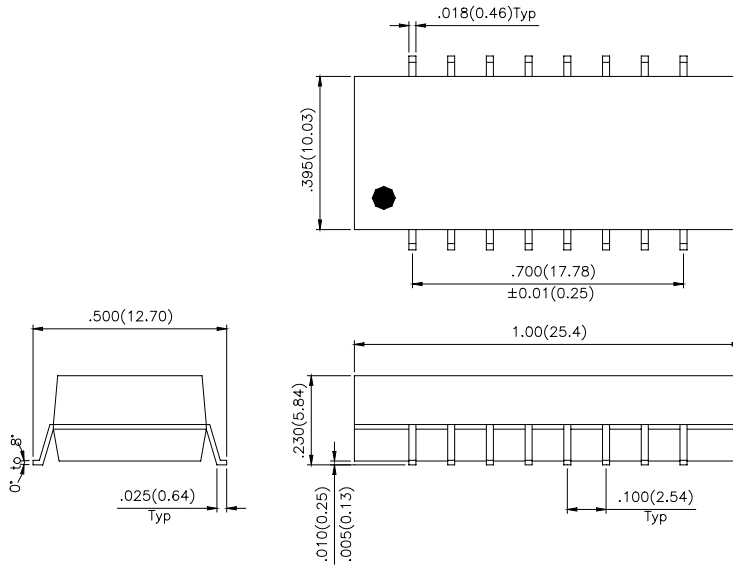
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MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	% EFF	ENABLE FUNCTION	MAXIMUM <sup>1</sup> CAPACITIVE LOAD (uF)
UM0207N	5 VDC	9 VDC	200 mA	68%	NO	47
UM0217N	12 VDC	9 VDC	200 mA	68%	NO	47

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

### MECHANICAL SPECIFICATIONS

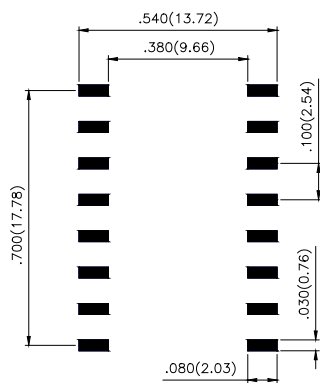


\*Unless otherwise specified, tolerances are  $\pm 0.005$  inches (0.13mm)  
Coplanarity is  $\pm 0.002$ (0.05)

Pin Connections	
Pin	Single Output
1	-Vi
2	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

### RECOMMENDED FOOTPRINT DETAILS

NC\*: No Connection



■ =Surface Mount



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