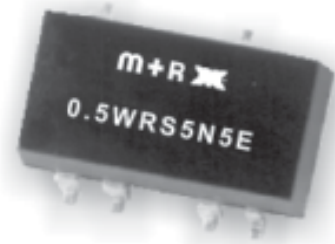


0.5 Watt 10 Pin SMD-Package W



- o Ultra-Miniature Size
- o Regulated Output
- o 1000 VDC I/O-Isoation
- o Only Single Output



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
0.5WRS5N5E	5 VDC	5 VDC	100 mA	52
0.5WRS5N9E		9 VDC	55 mA	55
0.5WRS5N12E		12 VDC	42 mA	58
0.5WRS5N15E		15 VDC	33 mA	60
0.5WRS9N5E	9 VDC	5 VDC	100 mA	52
0.5WRS9N9E		9 VDC	55 mA	55
0.5WRS9N12E		12 VDC	42 mA	58
0.5WRS9N15E		15 VDC	33 mA	60
0.5WRS12N5E	12 VDC	5VDC	100 mA	52
0.5WRS12N9E		9 VDC	55 mA	55
0.5WRS12N12E		12 VDC	42 mA	58
0.5WRS12N15E		15 VDC	33 mA	60
0.5WRS15N5E	15 VDC	5VDC	100 mA	52
0.5WRS15N9E		9 VDC	55 mA	55
0.5WRS15N12E		12 VDC	42 mA	58
0.5WRS15N15E		15 VDC	33 mA	60
0.5WRS24N5E	24 VDC	5VDC	100 mA	52
0.5WRS24N9E		9 VDC	55 mA	55
0.5WRS24N12E		12 VDC	42 mA	58
0.5WRS24N15E		15 VDC	33 mA	60

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	±5%
Input Filter	Capacitor

OUTPUT SPECIFICATIONS

Voltage Accuracy	±5%
Ripple and Noise, 20MHz BW	100mV p-p max.
Short Circuit Protection	1 sec.
Line Regulation, per 1% of Vin	±1% max.
Load Regulation	±1% max.

GENERAL SPECIFICATION

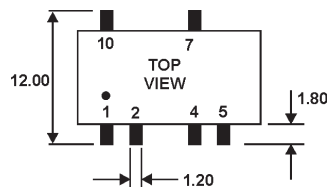
Efficiency	see table
Isolation Voltage	1000 VDC min.
Isolation Resistance	10 Gohms
Isolation Capacity	70 pF
Switching Frequency	20 kHz min.
Operating Temperature Range	-40°C to +70°C
Storage Temperature Range	-55°C to +125°C
Weight	1.9 gram
Case Material	DAP
ReFlow Soldering: Infra Red / Air Convection	profile see diagram
MTBF (MIL-HDBK-217F)	at 25°C at 85°C
	1632000 hrs 156000 hrs

SPECIFICATIONS

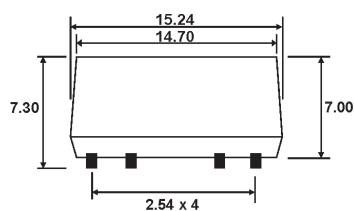
All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

MECHANICAL SPECIFICATIONS

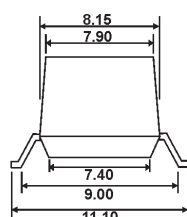
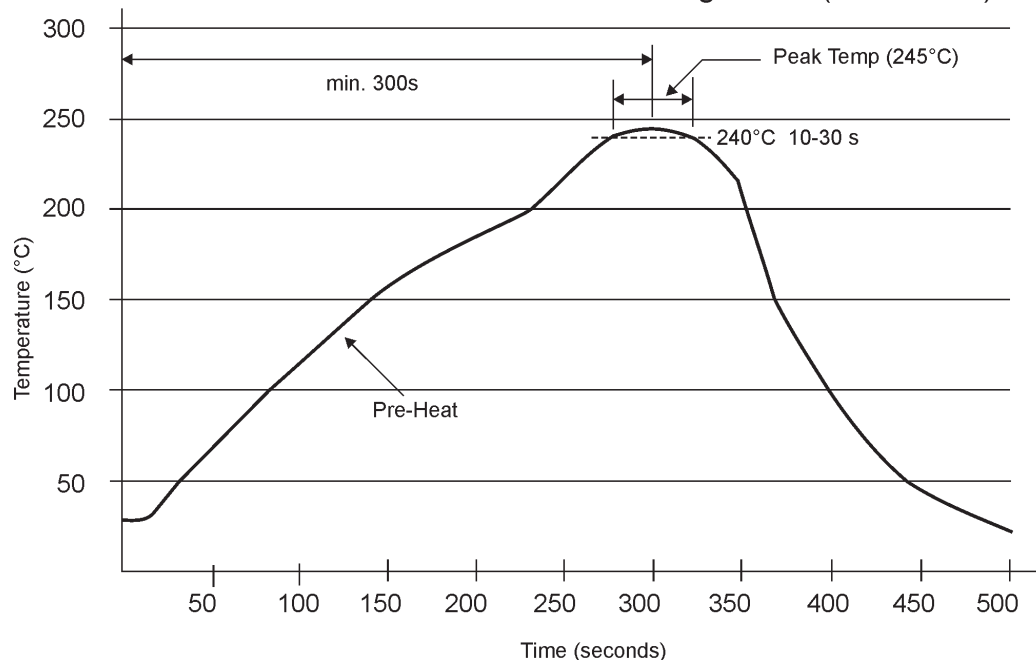
CASE "W"

Pattern for Footprint

PIN CONNECTIONS	
1	-INPUT
2	+INPUT
4	-OUTPUT
5	-OUTPUT
7	+OUTPUT
10	NC



All Dimensions in mm.
Tolerances: ± 0.25 mm

**DIAGRAMS****Lead-free Recommended Max. Soldering Profile (SMD-Parts)**

Please Notice, that Vapour phase soldering is not recommended!

NOTICE:

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.