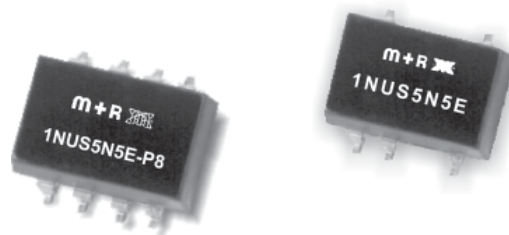


1 Watt**8 Pin****SMD-Package N**

- o Ultra-Miniature Size
- o Unregulated Output
- o 1000 VDC I/O-Isolation
- o 3000 VDC I/O-Isolation add Suffix "H3"
- o Only Single Output
- o For 8 Pin SMD-Package add Suffix "P8"



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
1NUS3.3N3.3E	3.3 VDC	3.3 VDC	300 mA	68
1NUS3.3N5E		5VDC	200 mA	70
1NUS3.3N9E		9 VDC	111 mA	75
1NUS3.3N12E		12 VDC	84 mA	78
1NUS3.3N15E		15 VDC	66 mA	80
1NUS3.3N24E		24 VDC	42 mA	75
1NUS5N3.3E	5 VDC	3.3 VDC	300 mA	68
1NUS5N5E		5 VDC	200 mA	70
1NUS5N9E		9 VDC	111 mA	75
1NUS5N12E		12 VDC	84 mA	78
1NUS5N15E		15 VDC	66 mA	80
1NUS5N24E		24 VDC	42 mA	75
1NUS9N3.3E	9 VDC	3.3 VDC	300 mA	68
1NUS9N5E		5 VDC	200 mA	70
1NUS9N9E		9 VDC	111 mA	75
1NUS9N12E		12 VDC	84 mA	78
1NUS9N15E		15 VDC	66 mA	80
1NUS9N24E		24 VDC	42 mA	75
1NUS12N3.3E	12 VDC	3.3 VDC	300 mA	68
1NUS12N5E		5 VDC	200 mA	70
1NUS12N9E		9 VDC	111 mA	75
1NUS12N12E		12 VDC	84 mA	78
1NUS12N15E		15 VDC	66 mA	80
1NUS12N24E		24 VDC	42 mA	75
1NUS15N3.3E	15 VDC	3.3 VDC	300 mA	68
1NUS15N5E		5 VDC	200 mA	70
1NUS15N9E		9 VDC	111 mA	75
1NUS15N12E		12 VDC	84 mA	78
1NUS15N15E		15 VDC	66 mA	80
1NUS15N24E		24 VDC	42 mA	75
1NUS24N3.3E	24 VDC	3.3 VDC	300 mA	68
1NUS24N5E		5 VDC	200 mA	70
1NUS24N9E		9 VDC	111 mA	75
1NUS24N12E		12 VDC	84 mA	78
1NUS24N15E		15 VDC	66 mA	80
1NUS24N24E		24 VDC	42 mA	75

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	±10 %
Input Filter	Capacitor

OUTPUT SPECIFICATIONS

Voltage Accuracy	±5%
Ripple and Noise, 20MHz BW	100 mV p-p max.
Short Circuit Protection	1 sec.
Line Regulation per 1% of Vin	1.2%
Load Regulation*	3.3V, 5V 9V, 12V, 15V, 24V
	±15% max. ±10% max.

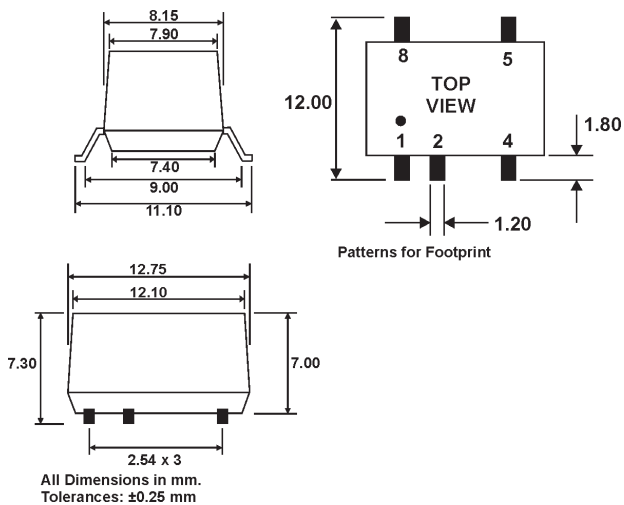
*Measured from 10% to 100% Load

GENERAL SPECIFICATION

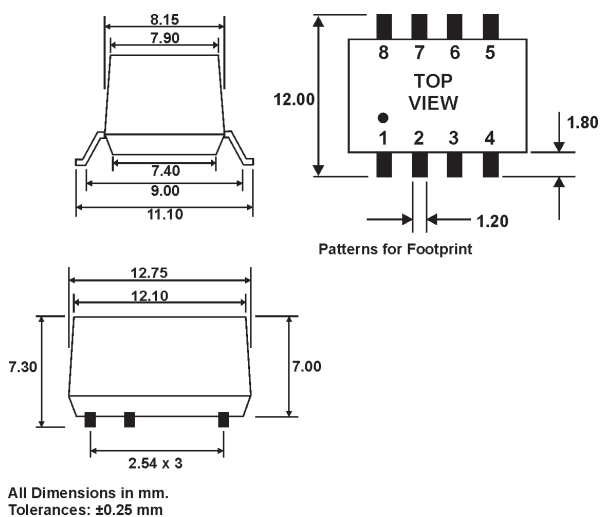
Efficiency	see table
Isolation Voltage Suffix "H3"	1000 VDC 3000 VDC
Isolation Resistance	10 Gohms
Isolation Capacitance	45 pF
Switching Frequency	20 kHz min.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Derating	see diagram
Weight	1.5 gram
Case Material	DAP 5562
ReFlow Soldering: Infra Red / Air Convection	profile see diagram
MTBF (MIL-HDBK-217F)	at 25°C at 85°C
	1045000 hrs 183000 hrs

SPECIFICATIONS

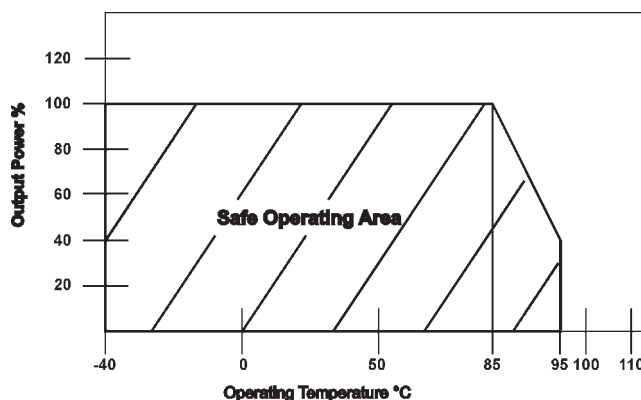
All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

MECHANICAL SPECIFICATIONS**Case "N" - Standard****Standard**

PIN CONNECTIONS	
1	-INPUT
2	+INPUT
4	-OUTPUT
5	+OUTPUT
8	NC

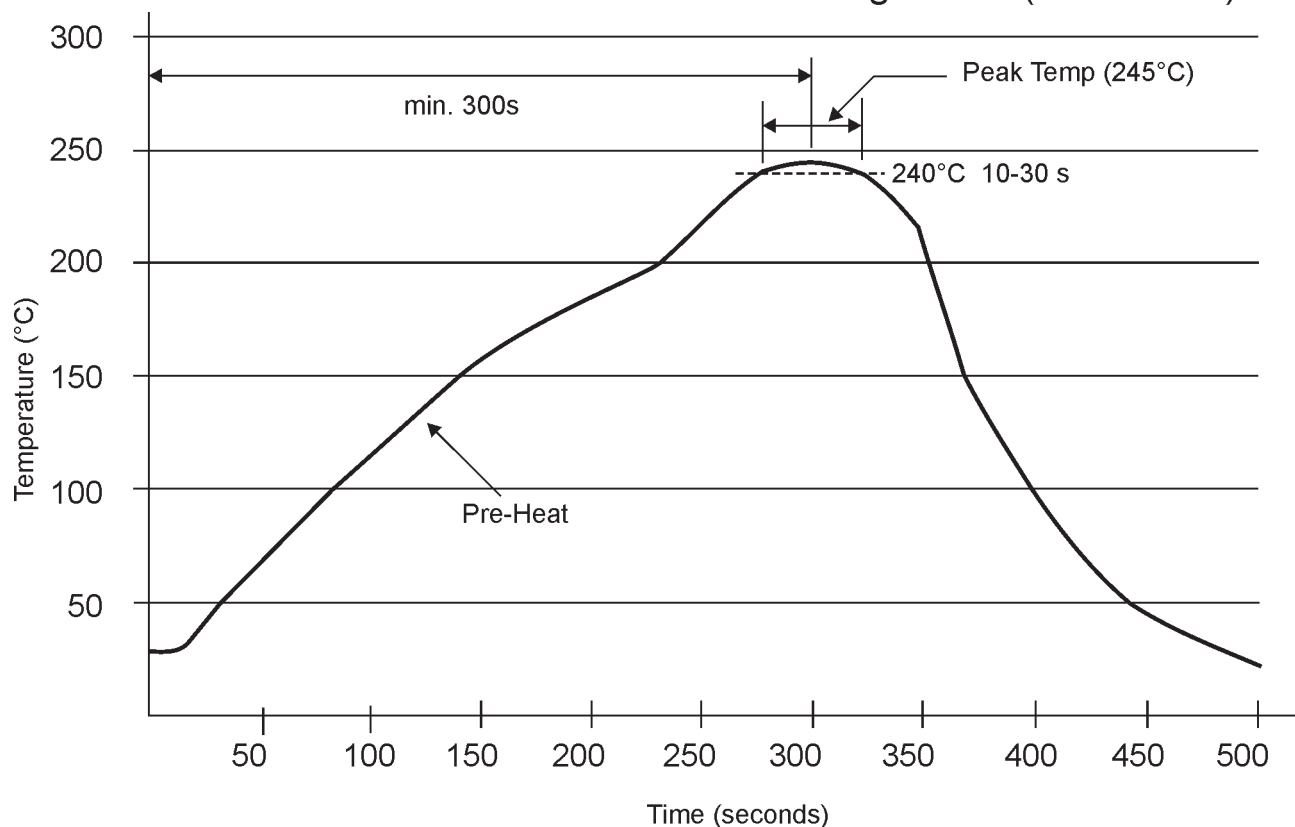
Case "N" - Suffix "P8"**Suffix "P8"**

PIN CONNECTIONS	
1	-INPUT
2	+INPUT
4	-OUTPUT
5	+OUTPUT
3 & 6	NC
7 & 8	NC

DIAGRAMS

SPECIFICATIONS

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

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.