

1 Watt**10 Pin****SMD-Package W
LEADFREE**

- o Ultra-Miniature Size
- o Unregulated Output
- o 1000 VDC I/O-Isolation
- o 3000 VDC I/O-Isolation add Suffix "H3"
- o EN60950 and EN60601 compliant

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF MIN.
1WUD3.3N3.3E LEADFREE	3.3 VDC	±3.3 VDC	±150 mA	75
1WUD3.3N5E LEADFREE		±5 VDC	±100 mA	72
1WUD3.3N9E LEADFREE		±9 VDC	±56 mA	74
1WUD3.3N12E LEADFREE		±12 VDC	±44 mA	75
1WUD3.3N15E LEADFREE		±15 VDC	±33 mA	74
1WUD5N3.3E LEADFREE	5 VDC	±3.3 VDC	±150 mA	75
1WUD5N5E LEADFREE		±5 VDC	±100 mA	72
1WUD5N9E LEADFREE		±9 VDC	±56 mA	74
1WUD5N12E LEADFREE		±12 VDC	±44 mA	75
1WUD5N15E LEADFREE		±15 VDC	±33 mA	74
1WUD9N3.3E LEADFREE	9 VDC	±3.3 VDC	±150 mA	75
1WUD9N5E LEADFREE		±5 VDC	±100 mA	72
1WUD9N9E LEADFREE		±9 VDC	±56 mA	74
1WUD9N12E LEADFREE		±12 VDC	±44 mA	75
1WUD9N15E LEADFREE		±15 VDC	±33 mA	74
1WUD12N3.3E LEADFREE	12 VDC	±3.3 VDC	±150 mA	75
1WUD12N5E LEADFREE		±5 VDC	±100 mA	72
1WUD12N9E LEADFREE		±9 VDC	±56 mA	74
1WUD12N12E LEADFREE		±12 VDC	±44 mA	75
1WUD12N15E LEADFREE		±15 VDC	±33 mA	74
1WUD15N3.3E LEADFREE	15 VDC	±3.3 VDC	±150 mA	75
1WUD15N5E LEADFREE		±5 VDC	±100 mA	72
1WUD15N9E LEADFREE		±9 VDC	±56 mA	74
1WUD15N12E LEADFREE		±12 VDC	±44 mA	75
1WUD15N15E LEADFREE		±15 VDC	±33 mA	74
1WUD24N3.3E LEADFREE	24 VDC	±3.3 VDC	±150 mA	75
1WUD24N5E LEADFREE		±5 VDC	±100 mA	72
1WUD24N9E LEADFREE		±9 VDC	±56 mA	74
1WUD24N12E LEADFREE		±12 VDC	±44 mA	75
1WUD24N15E LEADFREE		±15 VDC	±33 mA	74

NOTE: Add Suffix "R" for Tape and Reel Packing.

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range ±10 % max.

Input Filter Capacitor

OUTPUT SPECIFICATIONSVoltage set Accuracy -1% typ.
±5% max.Ripple and Noise, 20MHz BW 50 mV p-p typ.
100 mV p-p max.Short Circuit Protection 1 sec.
(optional continuous on request)Line Regulation (Low Line to High Line @ max. Load) 1% typ.
1.2% max.

Load Regulation*	3.3V, 5V	12% typ. / 15% max.
	9V	7% typ. / 10% max.
	12V, 15V	6% typ. / 10% max.

*Measured from 10% to 100% Load

GENERAL SPECIFICATION

Efficiency see table

Isolation Voltage 1000 VDC
Suffix "H3" 3000 VDC

Isolation Resistance Viso=500V 10 Gohms

Isolation Capacitance 10 pF min.
75 pF max.Switching Frequency 20 kHz min.
50 kHz typ.
100 kHz max.

Operating Temperature Range -40°C to +85°C

Storage Temperature Range -50°C to +125°C

Derating see diagram

Humidity 95% max.

Weight Dual 1.2 gram

Case Material DAP WH-9100

ReFlow Temperature RoHS compliant +240°C max./10-30 sec.

ReFlow Soldering: Infra Red / Air Convection profile see diagram

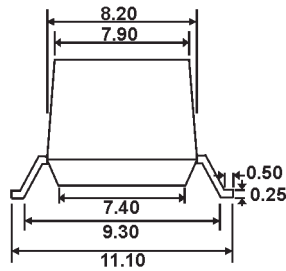
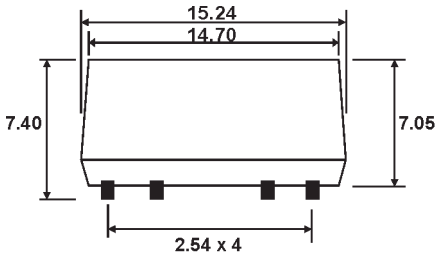
MTBF (MIL-HDBK-217F)	at 25°C	1045000 hrs
	at 85°C	183000 hrs

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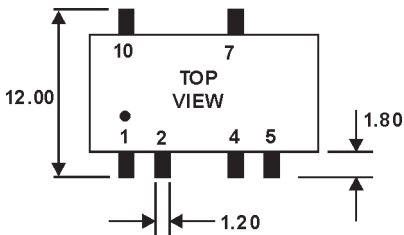
MECHANICAL SPECIFICATIONS

Case "W-LEADFREE"



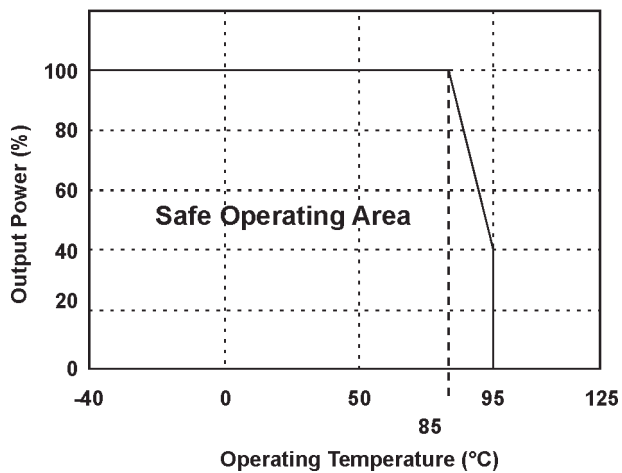
PIN CONNECTIONS	
1	-INPUT
2	+INPUT
4	COMMON
5	-OUTPUT
7	+OUTPUT
10	NOT CONNECTED

All Dimensions in mm.
Tolerances: ±0.25 mm

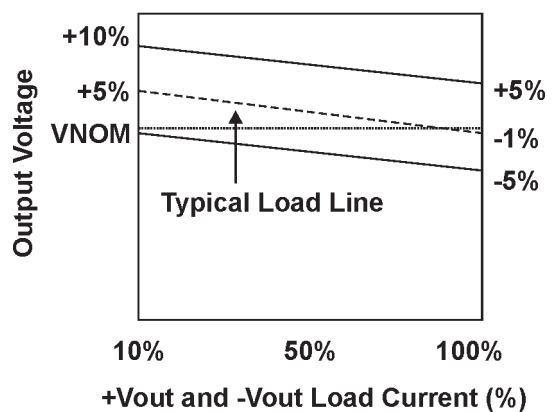


DIAGRAMS & APPLICATIONS

Derating Curve
(Ambient Temperature)

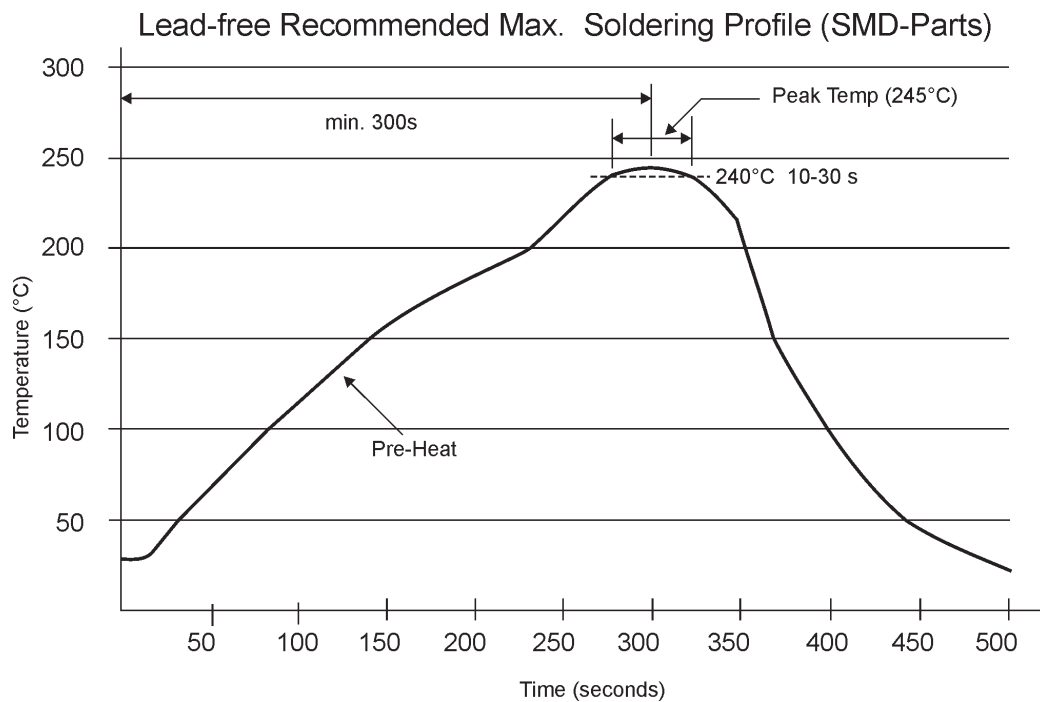


Tolerance Envelopes



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Please Notice, that Vapour phase soldering is not recommended!

External Capacitor Table

Dual			
Vin	External Capacitor	Vout	External Capacitor
3.3 VDC	10 μ F max.	\pm 3.3 VDC	10 μ F max.
5 VDC	10 μ F max.	\pm 5 VDC	10 μ F max.
12 VDC	6.8 μ F max.	\pm 12 VDC	6.8 μ F max.
15 VDC	4.7 μ F max.	\pm 15 VDC	4.7 μ F max.
24 VDC	2.2 μ F max.	-	-

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.