

7.5 Watt**24 Pin DIL Package V**
2:1 Input Range Metal Case

- o Wide Input Range
- o Pi Input Filter
- o 300 kHz Switching Frequency
- o Regulated Output
- o Single & Dual Output
- o Short Circuit Protection
- o Standard 1500 VDC I/O-Isolation



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF
				NO LOAD	FULL LOAD	
7.5VRS12W3.3LC	9-18 VDC	3.3VDC	1500mA	25mA	557mA	74
7.5VRS12W5LC		5VDC	1500mA		801mA	78
7.5VRS12W12LC		12VDC	625mA		762mA	82
7.5VRS12W15LC		15VDC	500mA			
7.5VRD12W5LC		±5VDC	±750mA	30mA	791mA	79
7.5VRD12W12LC		±12VDC	±310mA		753mA	83
7.5VRD12W15LC		±15VDC	±250mA			
7.5VRS24W3.3LC	18-36 VDC	3.3VDC	1500mA	20mA	271mA	76
7.5VRS24W5LC		5VDC	1500mA		396mA	79
7.5VRS24W12LC		12VDC	625mA		381mA	82
7.5VRS24W15LC		15VDC	500mA			
7.5VRD24W5LC		±5VDC	±750mA	25mA	386mA	81
7.5VRD24W12LC		±12VDC	±310mA		377mA	83
7.5VRD24W15LC		±15VDC	±250mA			
7.5VRS48W3.3LC	36-72 VDC	3.3VDC	1500mA	10mA	136mA	76
7.5VRS48W5LC		5VDC	1500mA		195mA	80
7.5VRS48W12LC		12VDC	625mA		190mA	82
7.5VRS48W15LC		15VDC	500mA			
7.5VRD48W5LC		±5VDC	±750mA	15mA	193mA	81
7.5VRD48W12LC		±12VDC	±310mA		188mA	83
7.5VRD48W15LC		±15VDC	±250mA			

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	2:1
Input Filter	Pi Network

OUTPUT SPECIFICATIONS

Voltage Accuracy	±2%max.
Voltage Balance, Dual Output	±1%max.
Temperature Coefficient	±0.05%/°C
Ripple & Noise 20MHz BW	100 mV p-p max.
Short Circuit Protection	Continuous
Line Regulation	±0.2% max
Load Regulation	Single ±0.5% max. Dual ±1.0% max.
Line Regulation measured from High Line to Low Line Load Regulation Single Output measured from Full Load to 10% Load Load Regulation Dual Output measured from Full Load to 1/4 Load	

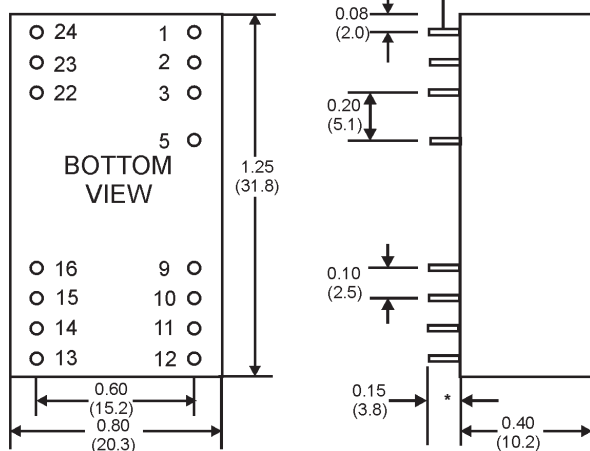
GENERAL SPECIFICATION

Efficiency	see table
Isolation Voltage	1500 VDC min.
Isolation Resistance	1000 Mohms
Switching Frequency	300 kHz
Operating Temperature Range	-25°C to +71°C
Storage Temperature Range	-40°C to +100°C
Case Temperature	100°C max.
Derating >+71°C	-3.5%/°C
Recommended Reflow Soldering Pb-free*	see diagram
Cooling	Free-Air Convection
Dimensions	1.25x0.8x0.4 Inches (31.8x20.3x10.2 mm)
Case Material	Black Coated Copper with Non-Conductive Base
MTBF (MIL-HDBK-217F)	1.090.000 hrs min.

*) We do not recommend vapor phase soldering!

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MECHANICAL SPECIFICATIONS**CASE "V"**

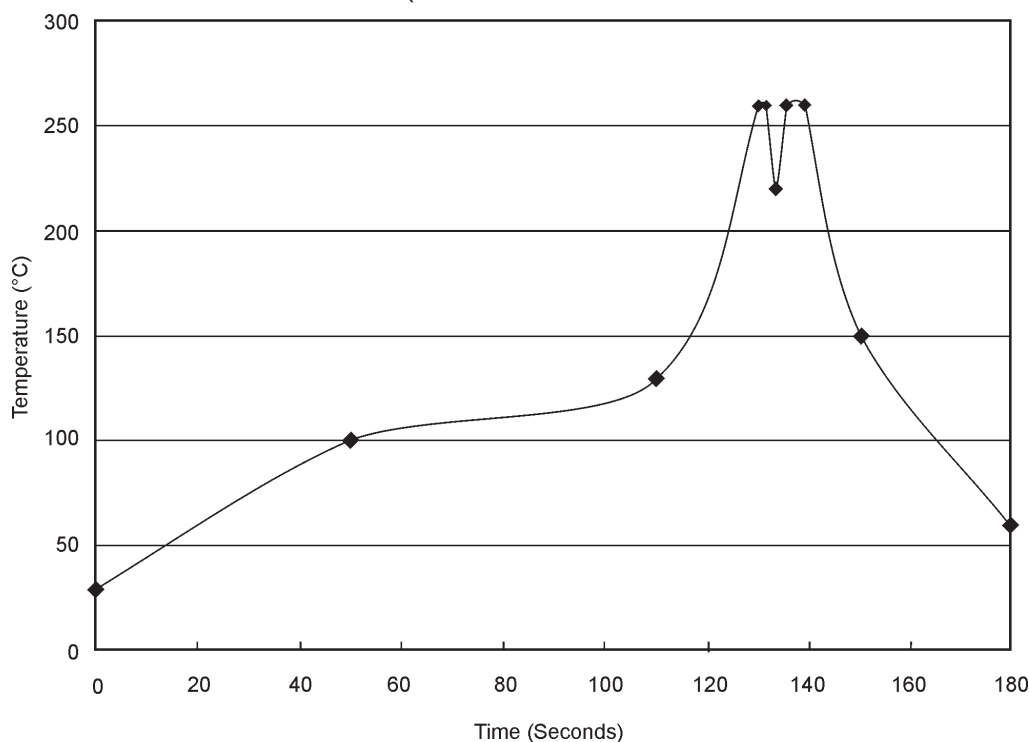
Note: Pin Size is 0.02" Inch(0.5mm) DIA or 0.02x0.14Inch
All Dimensions in Inches(mm)

PIN CONNECTIONS 1.500VDC

PIN	SINGLE	DUAL
1 & 24	NO PIN	NO PIN
2 & 3	-INPUT	-INPUT
5	NO PIN	NO PIN
9	NC	COMMON
10 & 15	NC	NC
11	NC	-OUTPUT
12 & 13	NO PIN	NO PIN
14	+OUTPUT	+OUTPUT
16	-OUTPUT	COMMON
22 & 23	+INPUT	+INPUT

DIAFRAMS**Lead Free Wave Soldering Profile**

(Soldering Material: Sn/Cu/Ni)



1. Ramp up rate during preheat: 1.5°C/Sec (From 50°C to 100°C)
2. Soaking temperature: 0.5°C/Sec (From 100°C to 130°C), 60±20 seconds
3. Peak temperature: 260°C, above 250°C 3-6 Seconds
4. Ramp up rate during cooling: -10.0°C/Sec (From 260°C to 150°C)

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.