1.5 Watt 24 Pin DIL Package V
2:1 Input Range - Metal Case

- **Wide Input Range**
- **Regulated Single & Dual Output**
- **Short Circuit Protection**
- **1.5 KVDC I/O-Isolation**
- **Option 3.5 KVDC I/O-Isolation**

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		Eff.%
				NO LOAD	FULL LOAD	
1.5VRS12W3.3M	9-18 VDC	3.3 VDC	400 mA	10 mA	171 mA	73
1.5VRS12W5M		5 VDC	300 mA		171 mA	73
1.5VRS12W12M		12 VDC	125 mA		160 mA	78
1.5VRS12W15M		15 VDC	100 mA	12 mA	160 mA	78
1.5VRD12W3.3M		±3.3 VDC	±200 mA		171 mA	73
1.5VRD12W5M		±5 VDC	±150 mA			
1.5VRD12W12M		±12 VDC	±63 mA	15 mA	160 mA	78
1.5VRD12W15M		±15 VDC	±50 mA			
1.5VRS24W3.3M	18-36 VDC	3.3 VDC	400 mA	10 mA	74 mA	74
1.5VRS24W5M		5 VDC	300 mA		83 mA	75
1.5VRS24W12M		12 VDC	125 mA		80 mA	78
1.5VRS24W15M		15 VDC	100 mA		79 mA	79
1.5VRD24W3.3M		±3.3 VDC	±200 mA	12 mA	74 mA	74
1.5VRD24W5M		±5 VDC	±150 mA		83 mA	75
1.5VRD24W12M		±12 VDC	±63 mA		79 mA	79
1.5VRD24W15M		±15 VDC	±50 mA			
1.5VRS48W3.3M	36-72 VDC	3.3 VDC	400 mA	8 mA	37 mA	74
1.5VRS48W5M		5 VDC	300 mA		43 mA	73
1.5VRS48W12M		12 VDC	125 mA		42 mA	75
1.5VRS48W15M		15 VDC	100 mA			
1.5VRD48W3.3M		±3.3 VDC	±200 mA	11 mA	37 mA	74
1.5VRD48W5M		±5 VDC	±150 mA		42 mA	74
1.5VRD48W12M		±12 VDC	±63 mA			75
1.5VRD48W15M		±15 VDC	±50 mA	10 mA	41 mA	75

last up-date 10.02.2004

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	±1% max.
Voltage Balance (Dual Output)	±1%
Temperature Coefficient	±0.02%/°C max.
Ripple and Noise, 20MHz BW	60 mV p-p max.
Short Circuit Protection	Continuous
Short Circuit Restart	Automatic
Line Regulation	±0.5% max.
Load Regulation	±0.5% max.

GENERAL SPECIFICATION	
Efficiency	see table
Isolation Voltage Suffix "H"	1.500 VDC min. 3.500 VDC min.
Isolation Resistance	1.000 Mohms min.
Isolation Capacitance	80 pF typ.
Leakage Current	1 mA
Switching Frequency	250 kHz typ.
Operating Temperature Range	-25°C to +71°C
Storage Temperature Range	-55°C to +125°C
Derating	None Required
Humidity	Up to 90%, Non Condensing
Case Material	Nickel-Coated Copper
Case Material Suffix "P"	Non-Conductive Black Plastic
MTBF	

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SPECIFICATIONS

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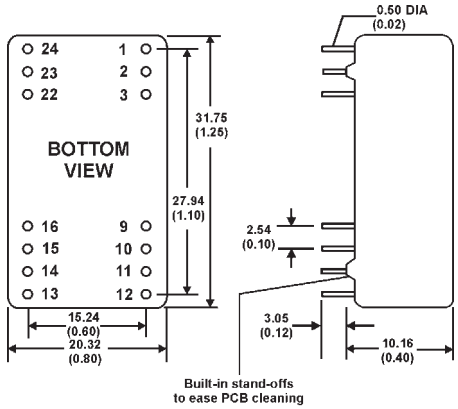
MECHANICAL SPECIFICATIONS

CASE "V"

NICKEL-COATED COPPER

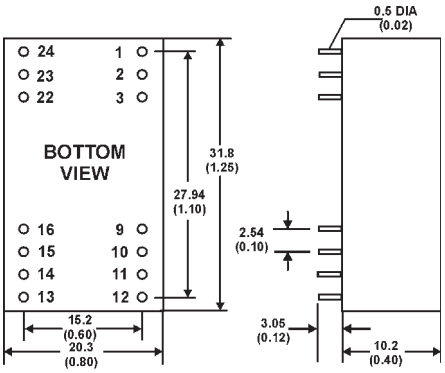


All Dimensions in mm (Inches).
Tolerances: x.xx = ±0.25 (±0.01)

PIN CONNECTIONS 1.500VDC		
PIN	**SINGLE**	**DUAL**
1 & 24	+INPUT	+INPUT
2 & 23	NC*	-OUTPUT
3 & 22	NC*	COMMON
9 & 16	NO PIN	NO PIN
10 & 15	-OUTPUT	COMMON
11 & 14	+OUTPUT	+OUTPUT
12 & 13	-INPUT	-INPUT

*NC = NOT CONNECTED

NON-CONDUCTIVE BLACK PLASTIC



All Dimensions in mm (Inches)
Tolerances: x.xx=±0.25 (±0.01)

PIN CONNECTIONS 3.500VDC		
PIN	**SINGLE**	**DUAL**
1 & 24	NO PIN	NO PIN
2 & 3	-INPUT	-INPUT
9	NO PIN	COMMON
10 &15	NO PIN	NO PIN
11	NC*	-OUTPUT
12 & 13	NO PIN	NO PIN
14	+OUTPUT	+OUTPUT
16	-OUTPUT	COMMON
22 & 23	+INPUT	+INPUT

*NC = NOT CONNECTED

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