

2 Watt

24 Pin DIL Package V

4:1 Input Range Metal Case



- o Wide Input Range
- o Regulated Single & Dual Output
- o Continuous Short Circuit Protection
- o 1500 VDC I/O-Isolation
- o Option 3500 VDC I/O-Isolation

ON REQUEST



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF.
				NO LOAD	FULL LOAD	
2VRS24X3.3M	9-36 VDC	3.3 VDC	600 mA	15 mA	114 mA	73
2VRS24X5M		5 VDC	400 mA		113 mA	74
2VRS24X12M		12 VDC	167 mA		111 mA	75
2VRS24X15M		15 VDC	134 mA		111 mA	75
2VRS24X18M		18 VDC	111 mA		111 mA	75
2VRD24X3.3M		±3.3 VDC	±300 mA		114 mA	73
2VRD24X5M		±5 VDC	±200 mA		113 mA	74
2VRD24X12M		±12 VDC	±83 mA		111 mA	75
2VRD24X15M		±15 VDC	±67 mA		111 mA	75
2VRD24X18M		±18 VDC	±56 mA		111 mA	75
2VRS48X3.3M	18-72 VDC	3.3 VDC	600 mA	10 mA	57 mA	73
2VRS48X5M		5 VDC	400 mA		56 mA	75
2VRS48X12M		12 VDC	167 mA		56 mA	75
2VRS48X15M		15 VDC	134 mA		56 mA	75
2VRS48X18M		18 VDC	111 mA		56 mA	75
2VRD48X3.3M		±3.3 VDC	±300 mA		57 mA	73
2VRD48X5M		±5 VDC	±200 mA		56 mA	75
2VRD48X12M		±12 VDC	±83 mA		56 mA	75
2VRD48X15M		±15 VDC	±67 mA		56 mA	75
2VRD48X18M		±18 VDC	±56 mA		56 mA	75

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	4:1
Input Filter	Pi Network

OUTPUT SPECIFICATIONS

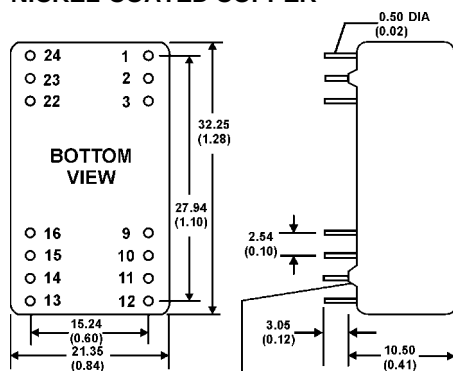
Voltage Accuracy	±1% max.
Voltage Balance (Dual Output)	±1%
Temperature Coefficient	±0.02%/°C max.
Ripple and Noise, 20MHz BW	60 mV p-p max.
Short Circuit Protection	Continuous
Short Circuit Restart	Automatic
Line Regulation	±0.5% max.
Load Regulation	±0.5% max.

GENERAL SPECIFICATION

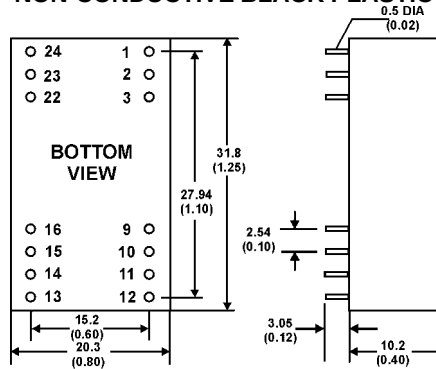
Efficiency	see table
Isolation Voltage	1500 VDC min.
Suffix "H"	3500 VDC min.
Isolation Resistance	1000 Mohms min.
Isolation Capacitance	390 pF
Leakage Current	1 mA
Switching Frequency	266 kHz
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +125°C
Case Temperature	+100°C
Derating	None Required
Humidity	Up to 90%, Non Condensing
Cooling	Free Air Convection
Case Material	Nickel-Coated Copper
Case Material Suffix "P"	Non-Conductive Black Plastic
MTBF (MIL-HDBK-217F)	1121 MHours

SPECIFICATIONS

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

CASE "V"**NICKEL-COATED COPPER**

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

NON-CONDUCTIVE BLACK PLASTIC

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

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

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.