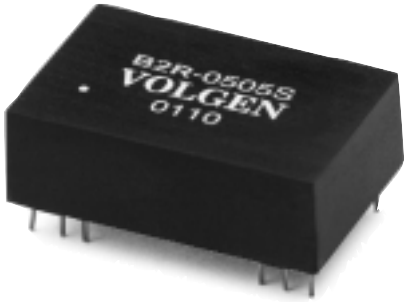
B2.2R

2 WATT DC/DC CONVERTER, SINGLE & MULTIPLE OUTPUTS



FEATURES

- ECONOMY LINE
- WIDE INPUT VOLTAGE RANGE
- REGULATED OUTPUT
- 24 PIN DIL PACKAGES
- PI INPUT FILTER

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

INPUT SPECIFICATIONS

Input Voltage..... ± 10%
Input Filter..... PI-Network

OUTPUT SPECIFICATIONS

Output Voltage Accuracy..... ±5%
Efficiency..... 65% typ.
Over-Current Protection..... Built-in (Automatic Recovery)
Ripple ..... 50 mVp-p (DC to 100MHZ)
Line Regulation..... ±0.5%
Line Filter..... Built-in
Load Regulation..... ±0.5%

GENERAL SPECIFICATIONS

Isolation Voltage
- Primary to Secondary..... DC 500V/ 1min. 5mA
- Primary to Case..... DC 500V/ 1min. 5mA
- Secondary to Case..... DC 500V/ 1min. 5mA

Isolation Resistance..... 100M -ohms

ENVIRONMENTAL SPECIFICATIONS

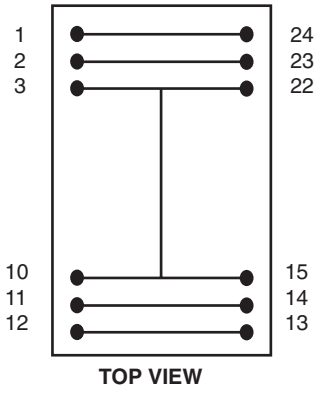
Operating Temperature ..... -25 ~ +70˚C
Temperature Coefficient..... ±0.05%/ ˚C
Humidity..... 30%~95% RH
Storage Temperature..... -55°C ~ +125°C

PHYSICAL SPECIFICATIONS

Case Material..... UL 94V-0 Plastic
Dual In-Line Pin Configuration

Series

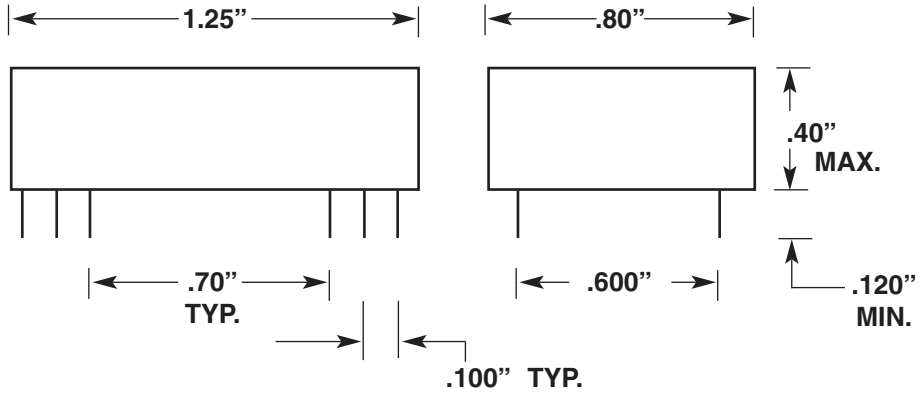
PART NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY
B2.2R - 0505	5 VDC	5 VDC	400 mA	60 %
B2.2R - 0512		12 VDC	180 mA	62 %
B2.2R - 0515		15 VDC	150 mA	66 %
B2.2R - 0505D		±5 VDC	±100 mA	52 %
B2.2R - 0512D		±12 VDC	±90 mA	60 %
B2.2R - 0515D		±15 VDC	±75 mA	62 %
B2.2R - 1205	12 VDC	5 VDC	400 mA	60 %
B2.2R - 1212		12 VDC	180 mA	62 %
B2.2R - 1215		15 VDC	150 mA	66 %
B2.2R - 1205D		±5 VDC	±100 mA	52 %
B2.2R - 1212D		±12 VDC	±90 mA	60 %
B2.2R - 1215D		±15 VDC	±75 mA	62 %
B2.2R - 2405	24 VDC	5 VDC	400 mA	60 %
B2.2R - 2412		12 VDC	180 mA	62 %
B2.2R - 2415		15 VDC	150 mA	66 %
B2.2R - 2405D		±5 VDC	±100 mA	52 %
B2.2R - 2412D		±12 VDC	±90 mA	60 %
B2.2R - 2415D		±15 VDC	±75 mA	62 %



TOP VIEW

Pin Connections

PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+Vin (Vcc)	+Vin (Vcc)
2	No function	-Vout
3	No function	Common
10	-Vout	Common
11	+Vout	+Vout
12	-Vin (GND)	-Vin (GND)
13	-Vin (GND)	-Vin (GND)
14	+Vout	+Vout
15	-Vout	Common
22	No function	Common
23	No function	-Vout
24	+Vin (Vcc)	+Vin (Vcc)



LEAD WIRE Ø=0.020” TYP.

NOTE:
All specifications typical and nominal / full load and 25˚C unless otherwise noted.
Avoid sustained operation in overload or dead short conditions.
Specifications subject to changes without notice.