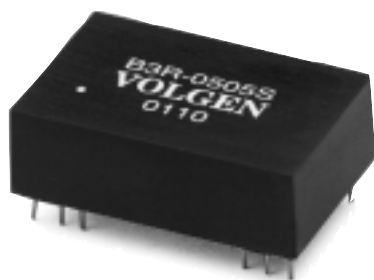


B3R

3 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..... $\pm 10\%$
Input Filter..... PI-Network

OUTPUT SPECIFICATIONS

Output Voltage Accuracy..... $\pm 5\%$
Efficiency..... 60% typ.
Over-Current Protection..... Built-in (Automatic Recovery)
Ripple 50 mVp-p (DC to 100MHZ)
Line Regulation..... $\pm 0.5\%$
Line Filter..... Built-in
Load Regulation..... $\pm 0.5\%$

GENERAL SPECIFICATIONS

Isolation Voltage..... DC 500V
MTBF..... >1,000,000 hours
Isolation Resistance..... 100M -ohms

ENVIRONMENTAL SPECIFICATIONS

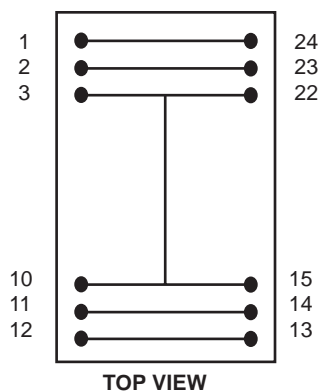
Operating Temperature -25 ~ +70°C
Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$
Humidity..... 30%~95% RH
Storage Temperature..... -55°C ~ +125°C

PHYSICAL SPECIFICATIONS

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

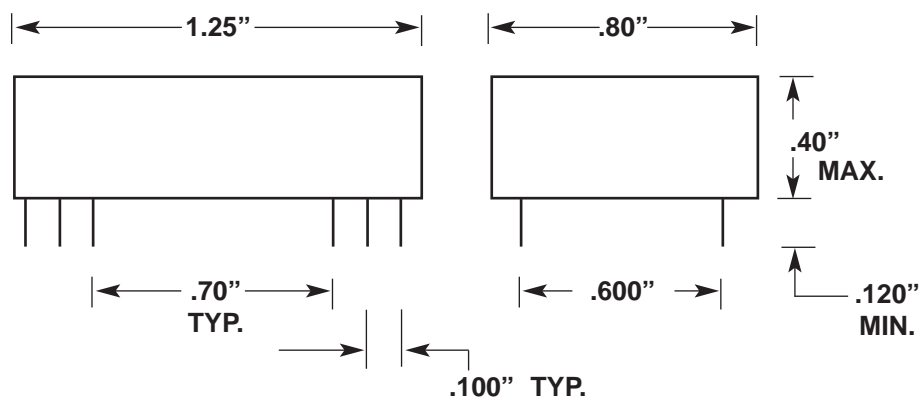
Series

PART NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY
B3R - 0505	5 VDC	5 VDC	600 mA	52 %
B3R - 0512		12 VDC	250 mA	62 %
B3R - 0515		15 VDC	200 mA	64 %
B3R - 0505D		±5 VDC	±300 mA	52 %
B3R - 0512D		±12 VDC	±125 mA	55 %
B3R - 0515D		±15 VDC	±100 mA	62 %
B3R - 1205	12 VDC	5 VDC	600 mA	52 %
B3R - 1212		12 VDC	250 mA	62 %
B3R - 1215		15 VDC	200 mA	64 %
B3R - 1205D		±5 VDC	±300 mA	52 %
B3R - 1212D		±12 VDC	±125 mA	55 %
B3R - 1215D		±15 VDC	±100 mA	62 %
B3R - 2405	24 VDC	5 VDC	600 mA	52 %
B3R - 2412		12 VDC	250 mA	62 %
B3R - 2415		15 VDC	200 mA	64 %
B3R - 2405D		±5 VDC	±300 mA	52 %
B3R - 2412D		±12 VDC	±125 mA	55 %
B3R - 2415D		±15 VDC	±100 mA	62 %



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)



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.