



WRB SERIES

WIDE INPUT VOLTAGE RANGE

10 WATTS DC-DC CONVERTER

FEATURES

- 2:1 WIDE INPUT VOLTAGES:9-18V,18-36V,36-72V
- 10 WATTS (2x1x0.4inches) PACKAGE
- EFFICIENCY TO 80%
- P1 INPUT FILTER

GENERAL SPECIFICATIONS

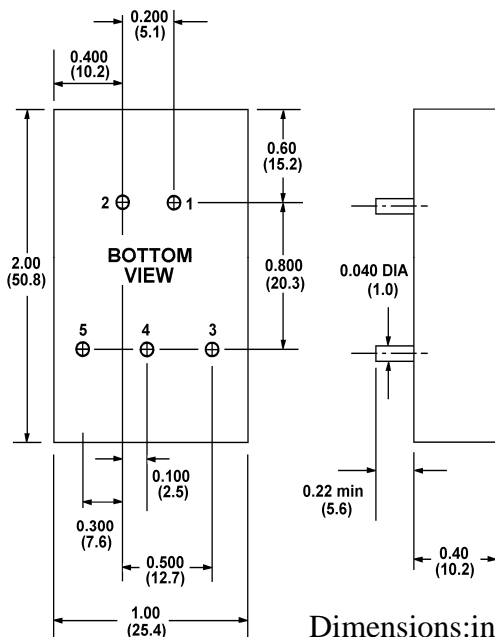
- SWITCHING FREQUENCY : 100KHz TYP.
- OUTPUT RIPPLE & NOISE : 100mVp-p(20MHz B.W.)
- ISOLATION VOLTAGE : 1500VDC
- ISOLATION RESISTANCE : 10^9 ohms
- STORAGE TEMPERATURE RANGE : -40°C TO 100°C
- OPERATING TEMPERATURE RANGE : -25°C TO +71°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :12V nominal ...9-18V
:24V nominal ...18-36V
:48V nominal ...36-72V
- OUTPUT VOLTAGE ACCURACY :±2%
- LINE REGULATION :±0.5%
- LOAD REGULATION(SINGLE) :±0.5%
- LOAD REGULATION(DUAL) :±2%
- EFFICIENCY :see table
- EMI/RFI :six-sided continuous shield

PART NO.	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (%)
WRB1205D-10W	9-18VDC	5VDC	2000mA	79
WRB1212D-10W	9-18VDC	12VDC	830mA	81
WRB1215D-10W	9-18VDC	15VDC	660mA	82
WRB2405D-10W	18-36VDC	5VDC	2000mA	81
WRB2412D-10W	18-36VDC	12VDC	830mA	81
WRB2415D-10W	18-36VDC	15VDC	660mA	81
WRB4805D-10W	36-72VDC	5VDC	2000mA	84
WRB4812D-10W	36-72VDC	12VDC	830mA	84
WRB4815D-10W	36-72VDC	15VDC	660mA	85

MARKINGS AND DIMENSIONS



Dimensions:inches/mm

Unless otherwise specified, all tolerances are $\pm 0.005/\pm 0.13$

PIN CONNECTION

PIN#	SINGLE	DUAL
1	+VIN	+VIN
2	-VIN	-VIN
3	+VOUT	+VOUT
4	No Pin	Common
5	-VOUT	-VOUT