



WRB SERIES

WIDE INPUT VOLTAGE RANGE

3 WATTS DC-DC CONVERTER

FEATURES

- 2:1 WIDE INPUT VOLTAGES:9-18V,18-36V,36-72V
- 3 WATTS 5PIN DIL(1.0 x1.0x0.4inches) PACKAGE
- EFFICIENCY TO 82%
- PI INPUT FILTER

GENERAL SPECIFICATIONS

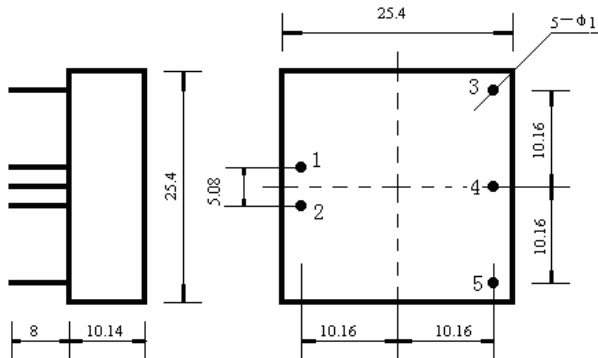
- SWITCHING FREQUENCY : 100KHz TYP.
- OUTPUT RIPPLE & NOISE : 100mVp-p(20MHz B.W.)
- ISOLATION VOLTAGE : 1000VDC
- ISOLATION RESISTANCE : 10^9 ohms
- STORAGE TEMPERATURE RANGE : -40°C TO 100°C
- OPERATING TEMPERATURE RANGE : -25°C TO +71°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK 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% (F.L. to 10% Load)
- LOAD REGULATION(DUAL) :±1.0% (F.L. to 1 / 4 Load)
- EFFICIENCY :see table

PART NO.	INPUT (VDC)	OUTPUT (VDC)	OUTPUT (mA)	EFFICIENCY (%)
WRB0505YMD-3W	4.5-9VDC	5VDC	600mA	68
WRB0509YMD-3W	4.5-9VDC	9VDC	333mA	70
WRB0512YMD-3W	4.5-9VDC	12VDC	250mA	71
WRB0515YMD-3W	4.5-9VDC	15VDC	200mA	71
WRB0524YMD-3W	4.5-9VDC	24VDC	125mA	71
WRB1205YMD-3W	9-18VDC	5VDC	600mA	75
WRB1209YMD-3W	9-18VDC	9VDC	333mA	77
WRB1212YMD-3W	9-18VDC	12VDC	250mA	78
WRB1215YMD-3W	9-18VDC	15VDC	200mA	80
WRB1224YMD-3W	9-18VDC	24VDC	125mA	81
WRB2405YMD-3W	18-36VDC	5VDC	600mA	80
WRB2409YMD-3W	18-36VDC	9VDC	333mA	76
WRB2412YMD-3W	18-36VDC	12VDC	250mA	77
WRB2415YMD-3W	18-36VDC	15VDC	200mA	79
WRB2424YMD-3W	18-36VDC	24VDC	125 mA	81
WRB4805YMD-3W	36-72VDC	5VDC	600mA	77
WRB4809YMD-3W	36-72VDC	9VDC	333mA	79
WRB4812YMD-3W	36-72VDC	12VDC	250mA	81
WRB4815YMD-3W	36-72VDC	15VDC	200mA	81
WRB4824YMD-3W	36-72VDC	24VDC	125mA	80

MARKINGS AND DIMENSIONS



PIN CONNECTION

PIN	SINGLE
1	+INPUT
2	-INPUT
3	+OUTPUT
4	NC
5	-OUTPUT

Dimensions:inches/mm

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