

10 WATT DC-DC WIDE INPUT RANGE

BRM10, 10 WATT DC-DC SERIES
2:1 WIDE INPUT 9-18V, 18-36V, 36-72V
PACKAGE SIZE: 2 X 1 X 0.4"
1500VDC ISOLATION
EFFICIENCY TO 80%
P1 INPUT FILTER

GENERAL SPECIFICATIONS

Output Ripple & Noise...100mV P-P (20Mhz B.W.)
 Isolation Resistance.....10/9 ohms
 Isolation Voltage.....1500VDC
 Operating Temperature...-25C to +71C
 Switching Frequency.....100KHz typ
 Storage Temperature Range...-40C to 100C
 Short circuit Protection.... Continuous
 Case Material...Black coated copper w/conductive base

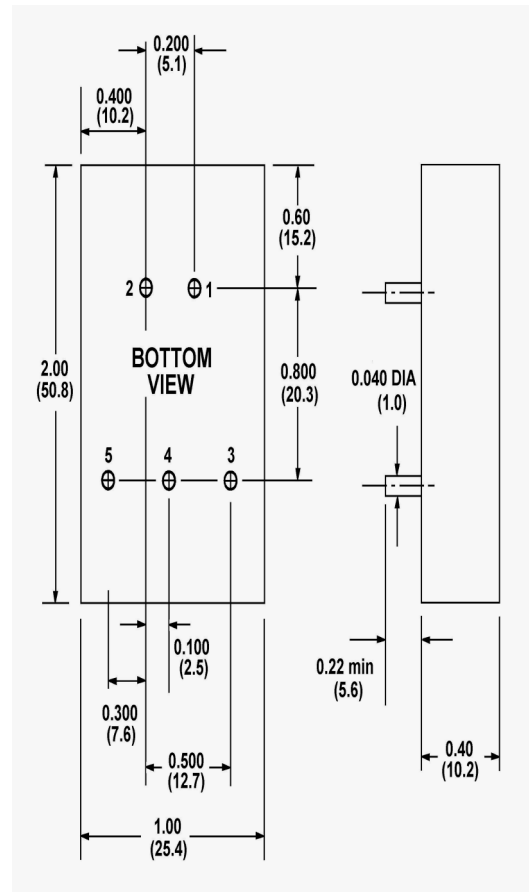
ELECTRICAL SPECIFICATIONS

Input Voltage Range.... 12V nom. 9-18V
 24V nom. 18-36V
 48V nom. 36-72V
 Output Voltage Accuracy....+/-2%
 Line Regulation.....+/-0.5%
 Load Regulation.....+/-0.5%(S) +/-2% (Dual)
 Efficiency.....see table
 EMI/RFI.....six-sided continuous shield

PART NUMBER	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY %
BRM10-12S05R	9-18Vdc	5VDC	2000mA	79
BRM10-12S12R	9-18Vdc	12VDC	830mA	82
BRM10-12S15R	9-18Vdc	15VDC	670mA	82
BRM10-12D12R	9-18Vdc	+/-12VDC	+/-416mA	81
BRM10-12D15R	9-18Vdc	+/-15VDC	+/-333mA	81
BRM10-24S05R	18-36Vdc	5VDC	2000mA	81
BRM10-24S12R	8-36Vdc	12VDC	830mA	84
BRM10-24S15R	8-36Vdc	15VDC	670mA	84
BRM10-24D12R	8-36Vdc	+/-12VDC	+/-416mA	82
BRM10-24D15R	8-36Vdc	+/-15VDC	+/-333mA	82
BRM10-48S05R	36-72Vdc	5VDC	2000mA	82
BRM10-48S12R	36-72Vdc	12VDC	830mA	86
BRM10-48S15R	36-72Vdc	15VDC	670mA	86
BRM10-48D12R	36-72Vdc	+/-12VDC	+/-416mA	84
BRM10-48D15R	36-72Vdc	+/-15VDC	+/-333mA	84

PIN CONNECTION

Pin No.	Single/Output	Dual/Output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No Pin	No Pin
5	-Vout	-Vout



Dimensions: inches/mm

Unless otherwise specified, all tolerances are +/-0.005/+/-0.13