

5 WATT DC/DC BRM 05 Series



Features

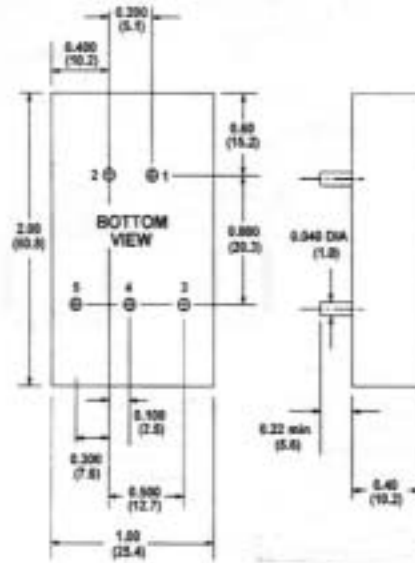
- Wide input voltage range 2:1
- 5 Watts (1"x2"x0.4")
- Efficiency to 82%
- PI input filter

Electrical Specifications

Input Voltage/Range..... See Table
 Output Voltage Accuracy..... +/- 2%
 Line Regulation..... +/- 0.5%
 Load Regulation (single)..... +/- 0.5%
 Load Regulation (dual)..... +/- 2%
 Efficiency..... See Table
 EM/RFL..... Six-Sided Continuous Shield

General Specifications

Switching Frequency.....100KHz Typ.
 Output Ripple & Noise.....100mVp-p(20MHz B.W.)
 Isolation Voltage.....1500VDC
 Isolation Resistance.....1 gigohm
 Storage Temperature Range.....-40C to 100C
 Operating Temperature Range... -25C to +71C
 Short Circuit Protection..... Continuous
 Case Material..... Black Coated Copper With
 Non-Conductive Base



Model Selection Guide

Input Voltage Nom.	Input Voltage Range	Output Voltage	Output Current	Efficiency (%)	Model Number
12V	9-18VDC	5VDC	1000mA	73	BRM05-12S05RTH
12V	9-18VDC	12VDC	470mA	80	BRM05-12S12RTH
12V	9-18VDC	15VDC	400mA	80	BRM05-12S15RTH
12V	9-18VDC	+/-12VDC	+/-230mA	80	BRM05-12D12RTH
12V	9-18VDC	+/-15VDC	+/-190mA	80	BRM05-12D15RTH
24V	18-36VDC	5VDC	1000mA	74	BRM05-24S05RTH
24V	18-36VDC	12VDC	470mA	82	BRM05-24S12RTH
24V	18-36VDC	15VDC	400mA	82	BRM05-24S15RTH
24V	18-36VDC	+/-12VDC	+/-230mA	82	BRM05-24D12RTH
24V	18-36VDC	+/-15VDC	+/-190mA	82	BRM05-24D15RTH
48V	36-72VDC	5VDC	1000mA	78	BRM05-48S05RTH
48V	36-72VDC	12VDC	470mA	81	BRM05-48S12RTH
48V	36-72VDC	15VDC	400mA	81	BRM05-48S15RTH
48V	36-72VDC	+/-12VDC	+/-230mA	81	BRM05-48D12RTH
48V	36-72VDC	+/-15VDC	+/-190mA	81	BRM05-48D15RTH

Pin Connection

Pin#	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No pin	Common
5	-Vout	-Vout

