



**ACUTE POWER INC.**

C L E U E R S O L U T I O N S



# 15 WATT DC/DC BRM 15 Series

## Features

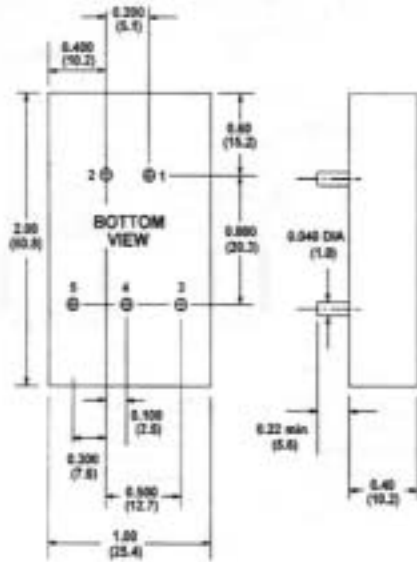
- Wide input voltage range 2:1
- 15 Watts (1x2x0.4")
- Efficiency to 84%
- PI input filter

## Electrical Specifications

Input Voltage/Range..... See Table  
 Output Voltage Accuracy..... +/- 2%  
 Line Regulation..... +/- 1.0% (HL-LL)  
 Load Regulation (single)..... +/- 1.0% (100% to 10%)  
 Load Regulation (dual)..... +/- 2% (100% to 10%)  
 Efficiency..... See Table  
 EM/RFL..... Six-Sided Continuous Shield

## General Specifications

Switching Frequency.....300KHz 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 Metal With  
 Non-Conductive Base



## Model Selection Guide

Input Voltage Nom.	Output Voltage Range	Output Voltage	Output Current	Efficiency (%)	Model Number
12V	9-18VDC	5VDC	3000mA	81	BRM15-12S05RTH
12V	9-18VDC	12VDC	1250mA	83	BRM15-12S12RTH
12V	9-18VDC	15VDC	1000mA	83	BRM15-12S15RTH
12V	9-18VDC	+/-12VDC	+/-625mA	83	BRM15-12D12RTH
12V	9-18VDC	+/-15VDC	+/-500mA	83	BRM15-12D15RTH
24V	18-36VDC	5VDC	3000mA	82	BRM15-24S05RTH
24V	18-36VDC	12VDC	1250mA	84	BRM15-24S12RTH
24V	18-36VDC	15VDC	1000mA	84	BRM15-24S15RTH
24V	18-36VDC	+/-12VDC	+/-625mA	84	BRM15-24D12RTH
24V	18-36VDC	+/-15VDC	+/-500mA	84	BRM15-24D15RTH
48V	36-72VDC	5VDC	3000mA	83	BRM15-48S05RTH
48V	36-72VDC	12VDC	1250mA	84	BRM15-48S12RTH
48V	36-72VDC	15VDC	1000mA	84	BRM15-48S15RTH
48V	36-72VDC	+/-12VDC	+/-625mA	84	BRM15-48D12RTH
48V	36-72VDC	+/-15VDC	+/-500mA	84	BRM15-48D15RTH

## Pin Connection

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

