



**Intronics  
Power®**

## DC 800 SERIES

5 WATT SINGLE AND DUAL OUTPUT  
DC-DC CONVERTERS



### FEATURES

- Full 2:1 Input Range for Battery and Telecommunication Applications
- Continuous Short Circuit Protection
- Overvoltage Protection
- Six-sided Shielding
- Fully Regulated
- Input/Output Isolation

### INPUT SPECIFICATIONS

Input Voltage: 5, 12, 24, 48V  
Input Range: 2:1  
Input Filter: Pi

### OUTPUT SPECIFICATIONS

Output Voltage: 5, 12, 15,  $\pm 12$ ,  $\pm 15$   
Voltage Accuracy: + Output + 1%  
- Output + 2%

Line Regulation:  $\pm 1\%$

Load Regulation:  $\pm 1\%$

Temperature Coefficient:  $\pm .02\%/^{\circ}\text{C}$

Ripple and Noise: 1% pp  
(20 MHz Bandwidth)

Short Circuit Protection: Foldback

Overvoltage Protection: Clamp

### GENERAL SPECIFICATIONS

Efficiency: 60% to 75%

Isolation Voltage: 500 Vdc

Operating Temperature:  $-25^{\circ}\text{C}$  to  $71^{\circ}\text{C}$

Storage Temperature:  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$

Case Type: Six-sided Continuous

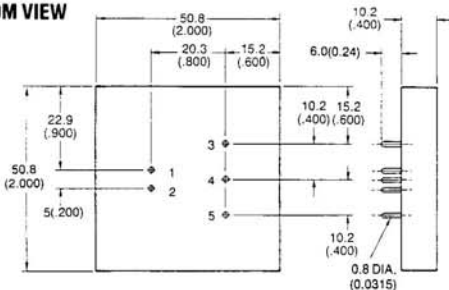
Metal Case With

Non-Conductive Base

Size: 2" x 2" x .4"

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-801	4.5- 6V	5V	1000mA
DC-802	4.5- 6V	12V	400mA
DC-803	4.5- 6V	15V	333mA
DC-811	9-18V	5V	1000mA
DC-812	9-18V	12V	400mA
DC-813	9-18V	15V	333mA
DC-821	18-36V	5V	1000mA
DC-822	18-36V	12V	400mA
DC-823	18-36V	15V	333mA
DC-831	36-72V	5V	1000mA
DC-832	36-72V	12V	400mA
DC-833	36-72V	15V	333mA
DC-808	4.5- 6V	$\pm 12\text{V}$	$\pm 200\text{mA}$
DC-809	4.5- 6V	$\pm 15\text{V}$	$\pm 167\text{mA}$
DC-818	9-18V	$\pm 12\text{V}$	$\pm 200\text{mA}$
DC-819	9-18V	$\pm 15\text{V}$	$\pm 167\text{mA}$
DC-828	18-36V	$\pm 12\text{V}$	$\pm 200\text{mA}$
DC-829	18-36V	$\pm 15\text{V}$	$\pm 167\text{mA}$
DC-838	36-72V	$\pm 12\text{V}$	$\pm 200\text{mA}$
DC-839	36-72V	$\pm 15\text{V}$	$\pm 167\text{mA}$

DIMENSIONS: BOTTOM VIEW



PIN CONNECTIONS:

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