



## 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  $\pm 1\%$

- Output  $\pm 2\%$

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  $71^{\circ}\text{C}$

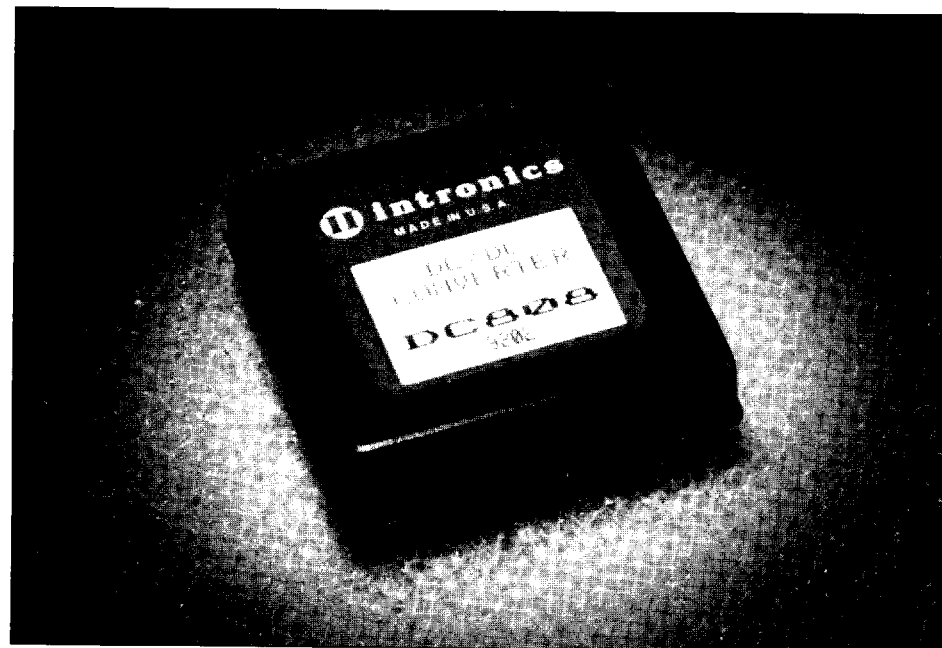
Storage Temperature:  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$

Case Type: Six-sided Continuous

Metal Case With

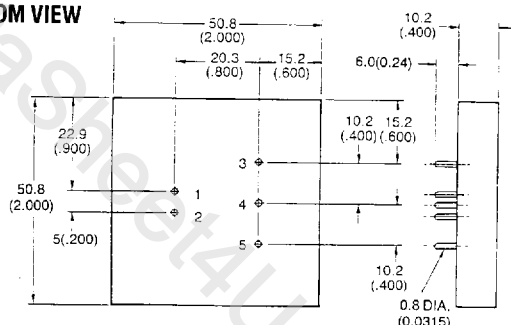
Non-Conductive Base

Size: 2" x 2" x .4"



MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-801	SINGLE	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	DUAL	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

CALL TOLL FREE 1-800-367-0004 FOR MORE INFORMATION.

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