



DC 800 SERIES

5 WATT SINGLE AND DUAL OUTPUT
DC-DC CONVERTERS

FEATURES

- Full 2:1 Range for Battery and Telecommunication Applications
- Continuous Short Circuit Protected
- 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, ± 12 , ± 15

Voltage Accuracy: + Output $\pm 1\%$
- Output $\pm 2\%$

Line Regulation: $\pm 1\%$

Load Regulation: $\pm 1\%$

Temperature Coefficient: $\pm 0.02\%/^{\circ}\text{C}$

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°C to 71°C

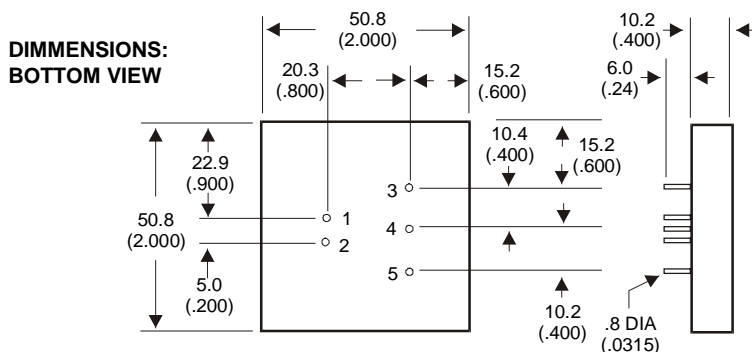
Storage Temperature: -40°C to 105°C

Case Type: Six-sided Continuous
Metal Case with
Non-Conductive Plastic

Size: 2" x 2" x .4"



MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-801	SINGLE	4.5V – 6V	5V	1000mA
DC-802		4.5V – 6V	12V	400mA
DC-803		4.5V – 6V	15V	333mA
DC-811		9V – 18V	5V	1000mA
DC-812		9V – 18V	12V	400mA
DC-813		9V – 18V	15V	333mA
DC-821		18V – 36V	5V	1000mA
DC-822		18V – 36V	12V	400mA
DC-823		18V – 36V	15V	333mA
DC-831		36V – 72V	5V	1000mA
DC-832		36V – 72V	12V	400mA
DC-833		36V – 72V	15V	333mA
DC-808	DUAL	4.5V – 6V	$\pm 12\text{V}$	$\pm 250\text{mA}$
DC-809		4.5V – 6V	$\pm 15\text{V}$	$\pm 125\text{mA}$
DC-818		9V – 18V	$\pm 12\text{V}$	$\pm 100\text{mA}$
DC-819		9V – 18V	$\pm 15\text{V}$	$\pm 250\text{mA}$
DC-828		18V – 36V	$\pm 12\text{V}$	$\pm 125\text{mA}$
DC-829		18V – 36V	$\pm 15\text{V}$	$\pm 100\text{mA}$
DC-838		36V – 72V	$\pm 12\text{V}$	$\pm 250\text{mA}$
DC-839		36V – 72V	$\pm 15\text{V}$	$\pm 125\text{mA}$



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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