

# intronics

## DC 600 SERIES

3.0 WATT SINGLE AND DUAL OUTPUT  
DC-DC CONVERTERS

### FEATURES

- Full 2:1 Input Range for Battery and Telecommunication Applications
- Low Profile 12 Pin DIP Package
- Short Circuit Protected
- Fully Regulated
- Low Output Ripple and Noise
- High Reliability
- Input/Output Isolation

### INPUT SPECIFICATIONS

Input Voltage: 5, 12, 24, 48V

Input Range: 2:1

Input Filter: LC

### OUTPUT SPECIFICATIONS

Output Voltage: 5, 12, 15,  $\pm 5$ ,  $\pm 12$ ,  $\pm 15$

Voltage Accuracy:  $\pm 3\%$

Line Regulation:  $\pm 1\%$

Load Regulation:  $\pm 1\%$

Temperature Coefficient:  $\pm .05\%/^{\circ}\text{C}$

Ripple and Noise: 1% pp

(20 MHz Bandwidth)

Short Circuit Protection: Foldback

### GENERAL SPECIFICATIONS

Efficiency: 60% to 75%

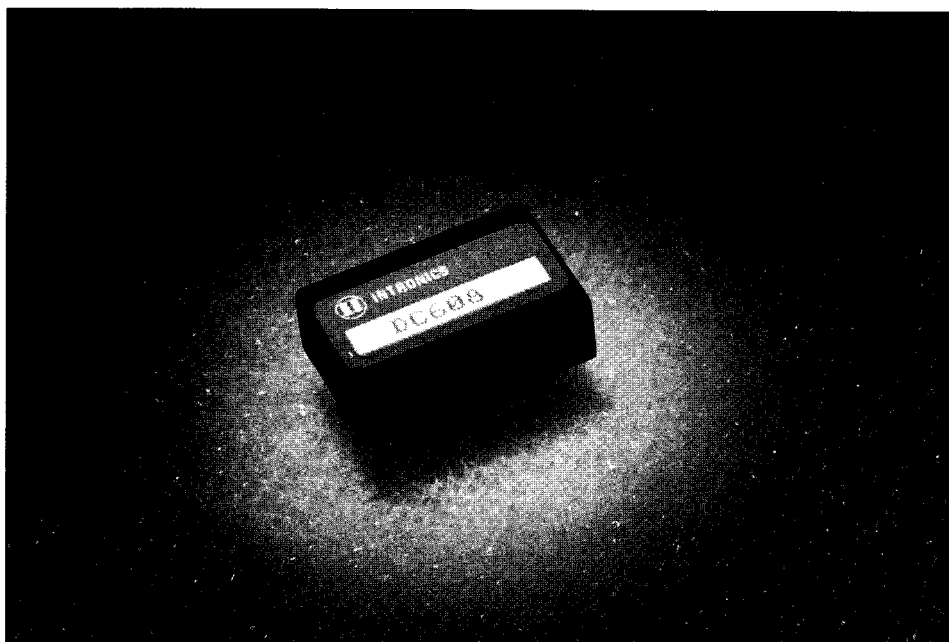
Isolation Voltage: 500 Vdc

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

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

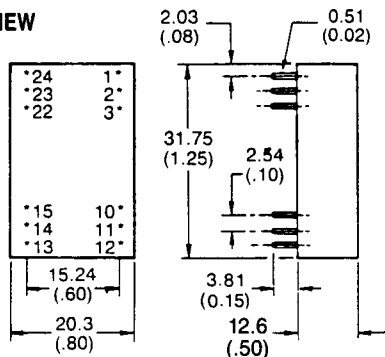
Case Type: Non-Conductive Plastic

Size: 1.25" x .8" x .5"



MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-601	SINGLE	4.5-6V	5V	500mA
DC-602		4.5-6V	12V	250mA
DC-603		4.5-6V	15V	200mA
DC-611		9-18V	5V	500mA
DC-612		9-18V	12V	250mA
DC-613		9-18V	15V	200mA
DC-621		18-36V	5V	500mA
DC-622		18-36V	12V	250mA
DC-623		18-36V	15V	200mA
DC-631		36-72V	5V	500mA
DC-632	36-72V	12V	250mA	
DC-633	36-72V	15V	200mA	
DC-617	DUAL	9-18V	$\pm 5\text{V}$	$\pm 250\text{mA}$
DC-618		9-18V	$\pm 12\text{V}$	$\pm 125\text{mA}$
DC-619		9-18V	$\pm 15\text{V}$	$\pm 100\text{mA}$
DC-627		18-36V	$\pm 5\text{V}$	$\pm 250\text{mA}$
DC-628		18-36V	$\pm 12\text{V}$	$\pm 125\text{mA}$
DC-629		18-36V	$\pm 15\text{V}$	$\pm 100\text{mA}$
DC-637		36-72V	$\pm 5\text{V}$	$\pm 250\text{mA}$
DC-638		36-72V	$\pm 12\text{V}$	$\pm 125\text{mA}$
DC-639		36-72V	$\pm 15\text{V}$	$\pm 100\text{mA}$

### DIMENSIONS: BOTTOM VIEW



### PIN CONNECTIONS:

PIN	SINGLE	DUAL
1&24	+ INPUT	+ INPUT
2&23	NC	- OUTPUT
3&22	NC	COMMON
10&15	- OUTPUT	COMMON
11&14	+ OUTPUT	+ OUTPUT
12&13	- INPUT	- INPUT

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