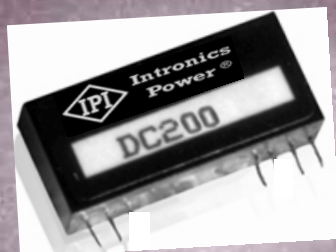




**Intronics
Power®**

DC 200 SERIES

1 and 2 WATT DUAL
OUTPUT DC – DC
CONVERTERS



- 5 Pin SIP Package
- Fully Regulated
- Low Output Ripple and Noise
- High Reliability
- Input/Output Isolation

INPUT SPECIFICATIONS

Input Voltage: 5, 12, 24V

Input Range: $\pm 10\%$

Input Filter: Capacitor

OUTPUT SPECIFICATIONS

Output Voltage: 5, 9, 12, 15, ± 12 , ± 15

Voltage Accuracy: $\pm 3\%$

Line Regulation: $\pm 1\%$

Load Regulation: $\pm 1\%$

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

Ripple and Noise: 1% pp

(20 MHz Bandwidth) See Note (2)

Short Circuit Protection: Short Term

GENERAL SPECIFICATIONS

Efficiency: 68% to 75%

Isolation Voltage: 500 Vdc

Operating Temperature: -40°C to 85°C

Storage Temperature: -55°C to 125°C

Case Type: Non-Conductive Plastic

Size 1.083 x .374 x .472

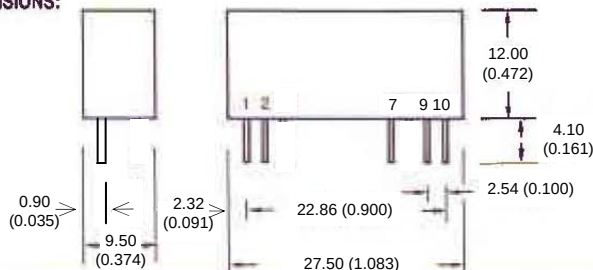
27.5 x 9.5 x 12.0 mm

Note (1): 9 volt output units are unregulated.

Note (2): With a 10uf tantalum capacitor across each output.

MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-201-1	1 WATT	5V	$\pm 5\text{V}$	$\pm 100\text{mA}$
DC-202-1		5V	$\pm 12\text{V}$	$\pm 42\text{mA}$
DC-203-1		5V	$\pm 15\text{V}$	$\pm 33\text{mA}$
DC-211-1		12V	$\pm 5\text{V}$	$\pm 100\text{mA}$
DC-212-1		12V	$\pm 12\text{V}$	$\pm 42\text{mA}$
DC-213-1		12V	$\pm 15\text{V}$	$\pm 33\text{mA}$
DC-221-1		24V	$\pm 5\text{V}$	$\pm 100\text{mA}$
DC-222-1		24V	$\pm 12\text{V}$	$\pm 42\text{mA}$
DC-223-1		24V	$\pm 15\text{V}$	$\pm 33\text{mA}$
DC-208-1	2 WATT	5V	$\pm 12\text{V}$	$\pm 84\text{mA}$
DC-209-1		5V	$\pm 15\text{V}$	$\pm 67\text{mA}$
DC-218-1		12V	$\pm 12\text{V}$	$\pm 84\text{mA}$
DC-219-1		12V	$\pm 15\text{V}$	$\pm 67\text{mA}$
DC-228-1		24V	$\pm 12\text{V}$	$\pm 84\text{mA}$
DC-229-1		24V	$\pm 15\text{V}$	$\pm 67\text{mA}$
DC-206-1		5V	9V Note (1)	$\pm 100\text{mA}$
DC-216-1		12V	9V Note (1)	$\pm 100\text{mA}$

DIMENSIONS:



PIN CONNECTIONS:

PIN	FUNCTION
1	Vin
2	GND
7	+Vo
9	-Vo
10	0V



LEAD FREE

NOTE: FOOT PRINT HAS CHANGED
FROM 7 PIN DIP TO 5 PIN DIP