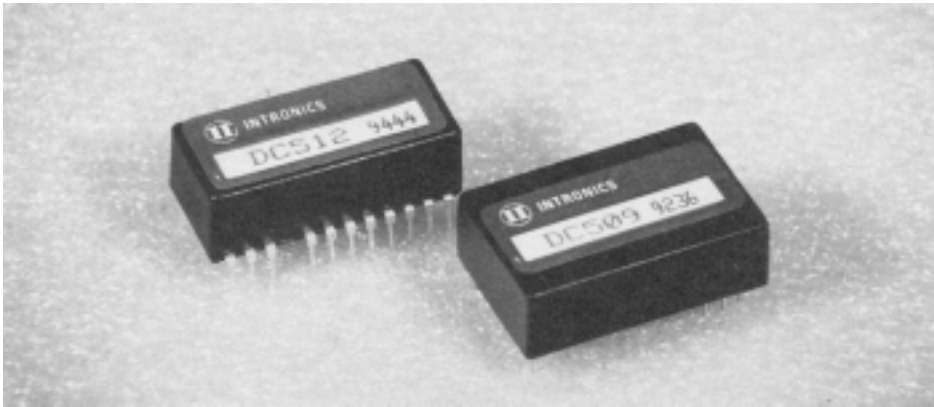




DC 500 SERIES

1.8 WATT SINGLE AND DUAL OUTPUT
DC-DC CONVERTERS



FEATURES

- Low Profile 24 Pin DIP Package
- Fully Regulated
- Low Output Ripple and Noise
- High Reliability
- Input/Output Isolation

INPUT SPECIFICATIONS

Input Voltage: 5, 12, 24

Input Range: 10%

Input Filter: Capacitor

OUTPUT SPECIFICATIONS

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

Voltage Accuracy: $\pm 3\%$

Line Regulation: $\pm 1\%$

Load Regulation: $\pm 1\%$

Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$

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

Short Circuit Protection: Short Term

GENERAL SPECIFICATIONS

Efficiency: 50% to 75%

Isolation Voltage: 500 Vdc

Operating Temperature: -25°C to 71°C

Storage Temperature: -40°C to 105°C

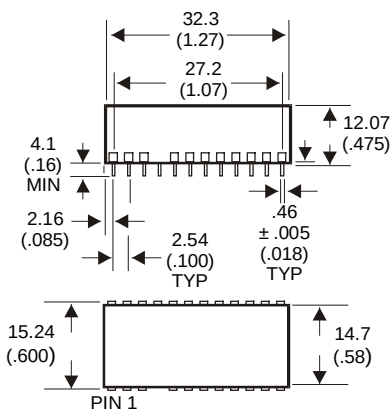
Case Type: Non-Conductive Plastic

Size: 1.27" x 0.6" x .475" (Single)

1.25" x 0.8" x .40" (Dual)

MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-501	SINGLE	5V	5V	360mA
DC-502		5V	12V	155mA
DC-503		5V	15V	120mA
DC-511		12V	5V	360mA
DC-512		12V	12V	150mA
DC-521		24V	5V	360mA
DC-522		24V	12V	150mA
DC-523		24V	15V	120mA
DC-507	DUAL	5V	$\pm 5\text{V}$	$\pm 100\text{mA}$
DC-508		5V	$\pm 12\text{V}$	$\pm 75\text{mA}$
DC-509		5V	$\pm 15\text{V}$	$\pm 60\text{mA}$
DC-518		12V	$\pm 12\text{V}$	$\pm 75\text{mA}$
DC-519		12V	$\pm 15\text{V}$	$\pm 60\text{mA}$
DC-528		24V	$\pm 15\text{V}$	$\pm 75\text{mA}$
DC-529		24V	$\pm 15\text{V}$	$\pm 60\text{mA}$
DC-506	LAN	5V	9V	200mA
DC-516		12V	9V	200mA

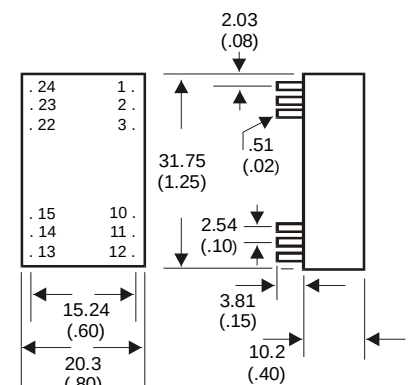
Note (1): With A 10 μF tantalum capacitor across each output



SINGLE OUTPUT

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



DUAL OUTPUT

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