

DC 100 SERIES

1 WATT SINGLE
OUTPUT
DC-DC CONVERTERS



FEATURES

- Ultra-Miniature Package
- Fully Regulated
- Low Output Ripple and Noise
- High Reliability
- Input/Output Isolation
- Industry Standard DIP Pin Out

INPUT SPECIFICATIONS

Input Voltage: 5, 12, 24V

Input Range: $\pm 5\%$

Input Filter: Capacitor

OUTPUT SPECIFICATIONS

Output Voltage: 5, 12, 15

Voltage Accuracy: $\pm 3\%$

Line Regulation: $\pm 0.25\%$

Load Regulation: 1%

Temperature Coefficient: $+ .03\%/^{\circ}\text{C}$

Ripple and Noise: $<1\%$ mVp-p

(20 MHz Bandwidth) See Note (1)

Short Circuit Protection: Continuous

GENERAL SPECIFICATIONS

Efficiency: 70% to 80%

Isolation Voltage: 1000 Vdc

Operating Temperature: -40°C to 85°C

Storage Temperature: -55°C to 125°C

Case Type: Non-Conductive Plastic

Size: .787" x .393" x .256"

20 X 10 X 6.5 mm

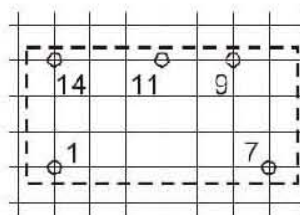
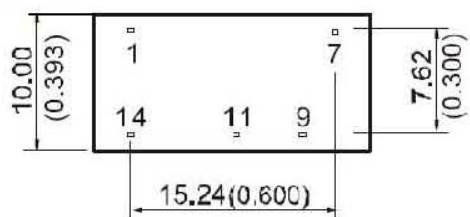
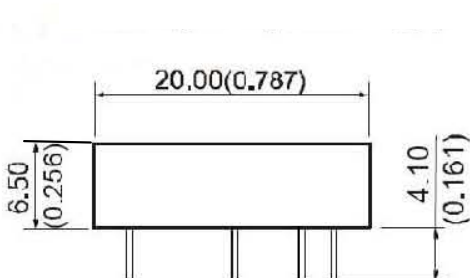
Note (1): With a 10 μf tantalum capacitor
across Output.



LEAD FREE

MODEL NUMBER		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-101-1	SINGLE	5V	5V	150mA
DC-102-1		5V	12V	83mA
DC-103-1		5V	15V	67mA
DC-111-1		12V	5V	150mA
DC-112-1		12V	12V	83mA
DC-113-1		12V	15V	67mA
DC-121-1		24V	5V	150mA
DC-122-1		24V	12V	83mA
DC-123-1		24V	15V	67mA

NOTE: FOOT PRINT HAS CHANGED
FROM 16 PIN DIP TO 14 PIN DIP



FOOTPRINT DETAILS

Pin	FUNCTION
1	GND
7	NC
9	+Vo
11	0V
14	Vin

NC: No Connection