



**Intronics
Power®**

DC 900 SERIES

7.5 WATT SINGLE OUTPUT
DC-DC CONVERTERS

FEATURES

- 2:1 Input Range for Battery and Telecommunication Applications
- High Efficiency
- Low Profile Case
- Fully Regulated and Isolated
- Overvoltage Protection
- Continuous Short Circuit Protection
- Six-sided Shielding

INPUT SPECIFICATIONS

Input Voltage: 12, 24, 48V
Input Range: 2:1
Input Filter: LC

OUTPUT SPECIFICATIONS

Output Voltage: 5,12,15
Voltage Accuracy: $\pm 1\%$
Line Regulation: 0.5% (Full Load)
Load Regulation: 1.0% (Full Load to 1/4 Full Load)
Transient Recovery: 200 μ s to 1% Final Value (Full Load to 1/2 Full Load)
Temperature Coefficient: $\pm .02\%/^{\circ}\text{C}$
Ripple and Noise: 1% pp (20 MHz Bandwidth) See Note (1)
Short Circuit Protection: Foldback
Overvoltage Protection: Clamp

GENERAL SPECIFICATIONS

Efficiency: 75% to 86%
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 Base
Size: 2" x 1" x .4"

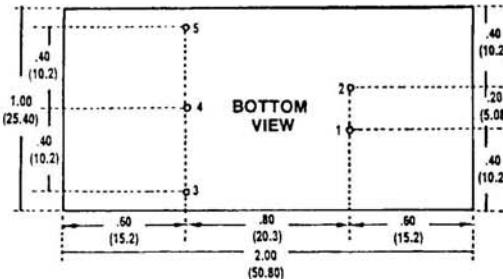
Note (1): With a 10 μ f tantalum capacitor across output.



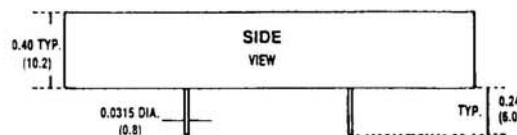
MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
DC-911	9.5-18V	5V	1500mA
DC-912	9.5-18V	12V	625mA
DC-913	9.5-18V	15V	500mA
DC-921	18-36V	5V	1500mA
DC-922	18-36V	12V	625mA
DC-923	18-36V	15V	500mA
DC-931	36-72V	5V	1500mA
DC-932	36-72V	12V	625mA
DC-933	36-72V	15V	500mA

SINGLE

DIMENSIONS:



PIN CONNECTIONS:



PIN	SINGLE OUTPUT
1	+ INPUT
2	- INPUT
3	+ OUTPUT
4	NC
5	- OUTPUT