



Intronics Power®



DC 600-I SERIES

3.0 WATT HIGH ISOLATION
DC-DC CONVERTERS

FEATURES

- ✦ Full 2:1 Range for Battery and Telecommunication Applications
- ✦ 2000 Vdc Isolation
- ✦ Short Circuit & Overvoltage Protected
- ✦ Fully Regulated
- ✦ Low Output Ripple and Noise
- ✦ High Reliability
- ✦ Input/Output Isolation

INPUT/OUTPUT SPECIFICATIONS

Input Filter: PI Network

Output Voltage Accuracy: $\pm 3\%$

Line Regulation (full load): $\pm 1\%$ max.

Load Regulation: $\pm 1\%$ max.

Temperature Coefficient: $\pm 0.5\%/^{\circ}\text{C}$

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

Minimum Load: 10% of Full Load

Short Circuit Protection: Foldback

GENERAL SPECIFICATIONS

Efficiency: 60% to 75%

Isolation Voltage: 2000 Vdc

Isolation Resistance: 1000 Mohm

Operating Temperature: -25°C to 71°C

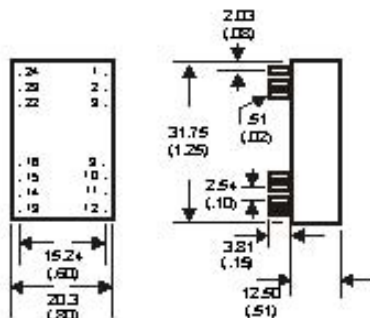
Storage Temperature: -40°C to 105°C

Case Type: Non-Conductive Plastic

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

MODEL NUMBER	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)
DC-601	4.5V - 6V	5V	500mA
DC-602	4.5V - 6V	12V	250mA
DC-603	4.5V - 6V	15V	200mA
DC-611	9V - 18V	5V	500mA
DC-612	9V - 18V	12V	250mA
DC-613	9V - 18V	15V	200mA
DC-621	18V - 36V	5V	500mA
DC-622	18V - 36V	12V	250mA
DC-623	18V - 36V	15V	200mA
DC-631	36V - 72V	5V	500mA
DC-632	36V - 72V	12V	250mA
DC-633	36V - 72V	15V	200mA

DIMENSIONS: BOTTOM VIEW



PIN CONNECTIONS:

PIN	FUNCTION
1 & 2	+V _{in}
23 & 24	-V _{in}
11 & 12	+V _{out}
9 & 10	-V _{out}
3	Enable