



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

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 Mohms

Operating Temperature:  $-25^{\circ}\text{C}$  to  $71^{\circ}\text{C}$

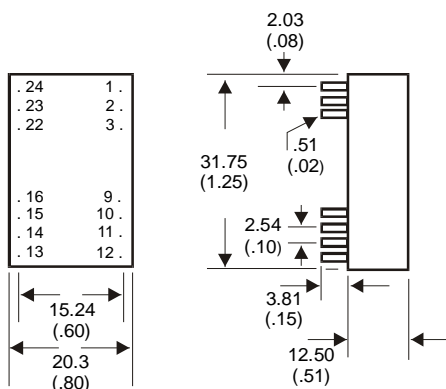
Storage Temperature:  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$

Case Type: Non-Conductive Plastic

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

| MODEL NUMBER | INPUT VOLTAGE<br>(VDC) | OUTPUT VOLTAGE<br>(VDC) | OUTPUT CURRENT<br>(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   | + Vin    |
| 23 & 24 | - Vin    |
| 11 & 12 | + Vout   |
| 9 & 10  | - Vout   |
| 3       | Enable   |

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

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