



**Intronics  
Power®**



**NEW!!**

| Model No. | Input Voltage (Vdc) | Output Voltage (Vdc) | Output Current (mA) |
|-----------|---------------------|----------------------|---------------------|
| DC1811    | 9-18                | 5                    | 5000                |
| DC1812    | 9-18                | 12                   | 2000                |
| DC1813    | 9-18                | 15                   | 1500                |
| DC1821    | 18-36               | 5                    | 5000                |
| DC1822    | 18-36               | 12                   | 2000                |
| DC1823    | 18-36               | 15                   | 1500                |
| DC1831    | 36-72               | 5                    | 5000                |
| DC1832    | 36-72               | 12                   | 2000                |
| DC1833    | 36-72               | 15                   | 1500                |
| DC1818    | 9-18                | ±12                  | ±1000               |
| DC1819    | 9-18                | ±15                  | ±750                |
| DC1828    | 18-36               | ±12                  | ±1000               |
| DC1829    | 18-36               | ±15                  | ±750                |
| DC1838    | 36-72               | ±12                  | ±1000               |
| DC1839    | 36-72               | ±15                  | ±750                |
| DC1810    | 9-18                | 3.3                  | 7.5                 |
| DC1820    | 18-36               | 3.3                  | 7.5                 |
| DC1830    | 36-72               | 3.3                  | 7.5                 |

## DC 1800 SERIES

25 Watt Single Dual Triple &  
3.3v output DC-DC  
Converters  
**DOUBLE POWER 2" X 2" Pkg.**

### Features

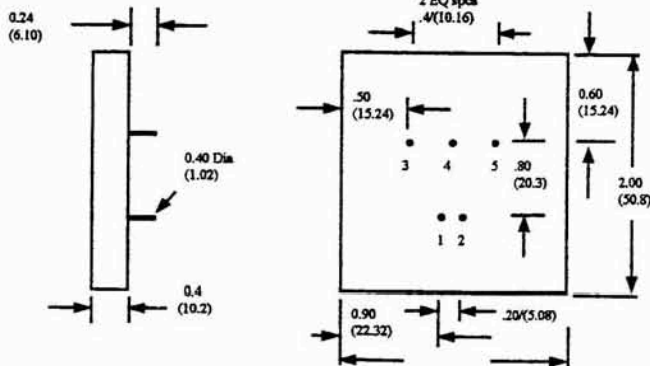
Full 2:1 / 4:1 input range  
Low profile 0.4" HIGH package  
Short Ckt & Overvoltage protected  
Fully regulated  
Low output ripple & noise  
High reliability  
Input/output isolation

### Input/Output Specifications

Input filter: Pi Network  
Undervoltage Shutoff: 8Vdc  
Output voltage accuracy: +/- 3%  
Line regulation: +/- 1% max.  
Load regulation: +/- 2% max.  
Temp. coef.: +/- .05%/degree C  
Ripple & noise: 1% pp max.  
(20MHz BW)  
Min. Load: 10% of Full Load  
Short circuit protection: foldback

### General Specifications

Efficiency: up to 81%  
Isolation voltage: 500 Vdc  
Isolation Resistance: 1000 Mohms  
Operating temp.: -25 to +71 °C  
Storage temp.: -55 to +125 °C  
Case type: Six-sided continuous metal shielding



| PIN | Function        |                 |
|-----|-----------------|-----------------|
|     | Single          | Dual            |
| 1   | + Vin (input)   | + Vin (input)   |
| 2   | - Vin (input)   | - Vin (input)   |
| 3   | +Vout (output)  | + Vout (output) |
| 4   | N/C             | Common          |
| 5   | - Vout (output) | - Vout (output) |