



**Intronics  
Power®**



## DC-1700 Series 15 Watt Single & Dual Output DC-DC Converters

### Features

- Full 2:1 Input Range
- Low Profile 0.4" High Package
- Short Circuit & Over-voltage Protected
- Fully Regulated
- Low Output Ripple & Noise
- High Reliability

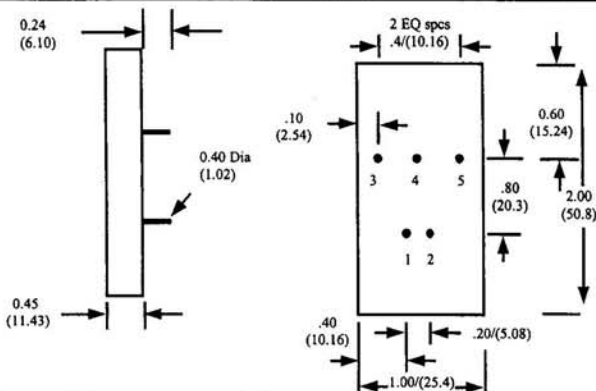
Model No.	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA)
DC-1711	9-18	5	3000
DC-1712	9-18	12	1250
DC-1713	9-18	15	1000
DC-1717	9-18	± 5	± 1500
DC-1718	9-18	± 12	± 625
DC-1719	9-18	± 15	± 500
DC-1721	18-36	5	3000
DC-1722	18-36	12	1250
DC-1723	18-36	15	1000
DC-1727	18-36	± 5	± 1500
DC-1728	18-36	± 12	± 625
DC-1729	18-36	± 15	± 500
DC-1731	36-72	5	3000
DC-1732	36-72	12	1250
DC-1733	36-72	15	1000
DC-1735	36-72	2.5	6000
DC-1737	36-72	± 5	± 1500
DC-1738	36-72	± 12	± 625
DC-1739	36-72	± 15	± 500

### Input/Output Specifications

- Input Filter:  $\pi$  (Pi) Network
- Output Voltage Accuracy:  $V1: \pm 1\%$   
 $V2: \pm 2.5\%$
- Line Regulation (at full load):  $\pm .5\%$  max. (single)  
 $\pm 1\%$  max. (dual)
- Load Regulation:  $\pm .5\%$  max.  
(1/4 to full load)  $\pm 2\%$  max.
- Temperature Coefficient:  $\pm .05\%/^{\circ}C$
- Ripple & Noise (20Mhz BW): 1% pp max.
- Minimum Load: 10% of Full Load
- Short circuit protection: foldback

### General Specifications

- Efficiency: up to 81%
- Isolation voltage: 500 Vdc
- Isolation Resistance: 1000M ohms
- Operating Temperature:  $-25^{\circ}$  to  $+71^{\circ}C$
- Storage Temperature:  $-55^{\circ}$  to  $+125^{\circ}C$
- Case Type: 6-sided Continuous Metal Shielding
- Size: 2" x 1" x .45"



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)