

DC 700 SERIES

15-75 WATT

DC-DC CONVERTERS

FEATURES

- Up to 12 watts/cubic inch
- Efficiency to 90%
- Ultra Wide Input Voltage Range
- Thermal Overload Protection
Six-Sided Shielding,
Low Thermal Gradient
Copper Case
- Reverse Polarity Protection

APPLICATIONS

- Telecommunications
- Transportation
- Battery Operated Equipment
- Process Control Equipment



Model	Input Range (VDC)	Output Voltage (DC)	Output Current (AMPS)	Eff. @ F.L. (TYP)	GENERAL SPECIFICATIONS	
DC702	8-40 (12 nom)	5	3	78%	Input	Pi
DC703	8-40 (12 nom)	5	5	76%	Voltage Accuracy	±1%
DC705	15-40 (24 nom)	12	3	88%	Voltage Adjustments	±10%
DC706	15-40 (24 nom)	12	5	86%	Ripple	<1%
DC707	18-40 (24 nom)	15	3	90%	Noise (<20 MHz)	<2%
DC708	18-40 (24 nom)	15	5	88%	Temperature Coefficient	.02%/°C
					Regulation Line	± 0.5% Main LL-HL
					Load	±0.5% NL-FL
					Isolation	None. Pins 2 & 7 Internally Connected
					Switching Frequency	40 KHz Typical Fixed
					Efficiency	See Table
					Reverse Polarity Protection	Yes (External fuse required)
					Over-voltage Main	Yes
					Short Circuit	Indefinite, Auto Recovery
					ENVIRONMENTAL	
					Thermal Trip Point	110°C Case Temperature
					Operating Temperature	-25°C to 70°C
					Refer to derating curve	
					Storage Temperature	-40°C to 105°C

Contact our sales application department with your custom designs and specifications. At Intronics we are prepared to respond promptly to your needs.

NOTES:

1. Remote sense and remote control are standard on Models DC703, DC706 and DC708. At input voltages below nominal, current limit is 4 Amps minimum for these models.
2. Remote Control:
CMOS 0 ± TTL open collector
ON - 4.2 VDC or open circuit
OFF - 3.5 VDC or lower (4ma sink)