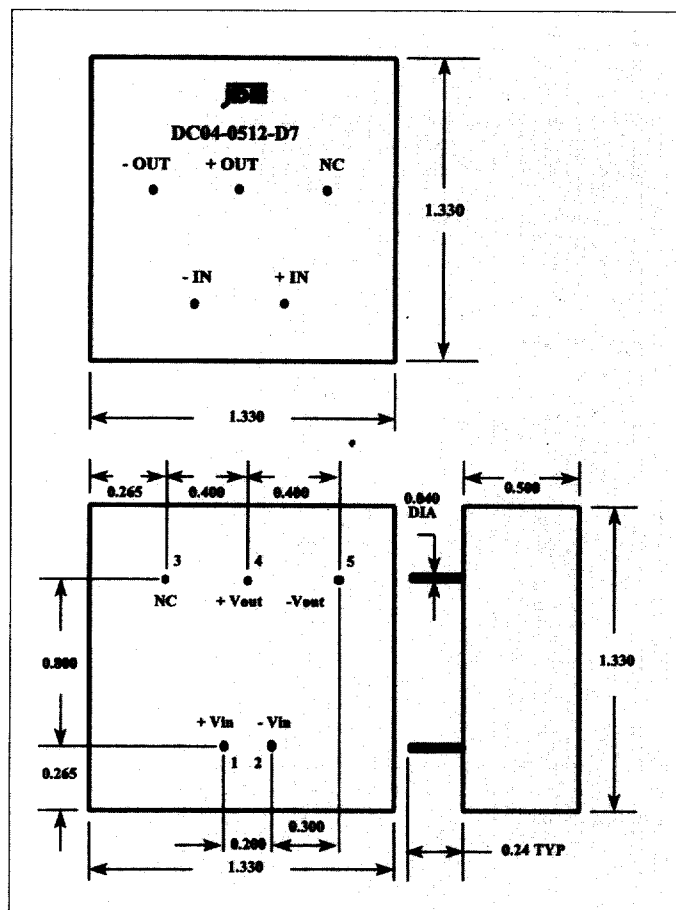




GENERAL FEATURES:

- Input/output isolated
- Low output ripple noise
- Short circuit protection
- Superb line and load regulation
- Input and output filtering
- High efficiency and reliability
- Fully encapsulated
- Low cost
- Single and dual output available
- Custom design and modification available

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range:	- 25 to + 85 degrees C
Storage Temperature Range:	- 55 to + 130 degrees C
Temperature Coefficient:	+ / - 0.05% per degree C
Derating:	None
Cooling:	Free Air Convection
Humidity (Non-Condensing):	20% to 95% RH

GENERAL DESCRIPTION

JBM's model D7 DC/DC converter is 5-pin power supply, capable of accepting inputs ranging from 5 volts to 24 volts. Outputs for this model typically range from 5 volts to 15 volts. The units are available in both 3 and 4 watt configurations, in standard and custom designs.

NOTES TO SCHEMATIC

Leads:	0.040" Diameter Solderable Copper
Case Material:	Non-Conductive Black Plastic
Marking:	White Epoxy Ink
Tolerance:	.xx + / - 0.020"
	.xxx + / - 0.010"

WIRING DETAILS

Pin #	Single Output Connection	Dual Output Connection
1	+ V in	+ V in
2	- V in	- V in
3	No Connection	+ V out
4	+ V out	Common
5	- V out	- V out

ELECTRICAL SPECIFICATIONS

Efficiency (at Full Load):	Up to 65%
Isolation Voltage:	500 VDC Min
Isolation Resistance:	1000 M ohms
Switching Frequency:	25 KHz Min.
Burn-In @ Full Load:	100%/
	4 Hrs @ 50 degrees C.

INPUT SPECIFICATIONS

Input Voltage:	See Table of Values
Input Filter:	Capacitor Type

OUTPUT SPECIFICATIONS

Output Voltage / Accuracy:	See Table of Values
Output Current:	See Table of Values
Ripple and Noise (20 MHz BW):	50 MV P-P Max.
Line Regulation*:	0.5% Max.
Load Regulation**:	0.5% Max.
Voltage Stability (24 Hours)	+ / - 0.05% Max.
Short Circuit Protection:	10 Seconds Max.

* Line Regulation is per 1.0% Change in Input Voltage

** Load Regulation is for Load Change from 20% to 100%

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UNREGULATED POWER SUPPLIES JBM PART NO.	INPUT V _{dc}	OUTPUT V _{dc}	OUTPUT CURRENT (mA)	EFFICIENCY AT FULL LOAD %	REGULATION LINE %	LOAD %	O/P NOISE mV _{p-p}
DC03-0505-D7	5.0	5.0	450	60	0.5	0.5	80
DC03-0509-D7	5.0	5.0	250	60	0.5	0.5	80
DC04-0512-D7	5.0	12.0	330	60	0.5	0.5	50
DC04-0515-D7	5.0	15.0	260	60	0.5	0.5	50
DC03-1205-D7	12.0	5.0	450	60	0.5	0.5	80
DC04-1205-D7	12.0	5.0	800	60	0.5	0.5	50
DC03-1209-D7	12.0	9.0	250	60	0.5	0.5	80
DC03-1212-D7	12.0	12.0	187	60	0.5	0.5	80
DC03-2405-D7	24.0	5.0	450	60	0.5	0.5	80
DC03-2409-D7	24.0	9.0	250	60	0.5	0.5	80
DC03-2412-D7	24.0	12.0	187	60	0.5	0.5	80
DC04-2412-D7	24.0	12.0	330	60	0.5	0.5	50
DC04-2415-D7	24.0	15.0	265	60	0.5	0.5	50
DC03-4805-D7	48.0	5.0	600	60	0.5	0.5	50
DC04-4805-D7	48.0	5.0	800	60	0.5	0.5	50
DC04-4812-D7	48.0	12.0	330	60	0.5	0.5	50
DC03-0512D-D7	5.0	± 12.0	± 125	65	0.5	0.5	50
DC03-0515D-D7	5.0	± 15.0	± 100	65	0.5	0.5	50
DC03-2412D-D7	24.0	± 12.0	± 125	65	0.5	0.5	50
DC03-2415D-D7	24.0	± 15.0	± 100	65	0.5	0.5	50

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