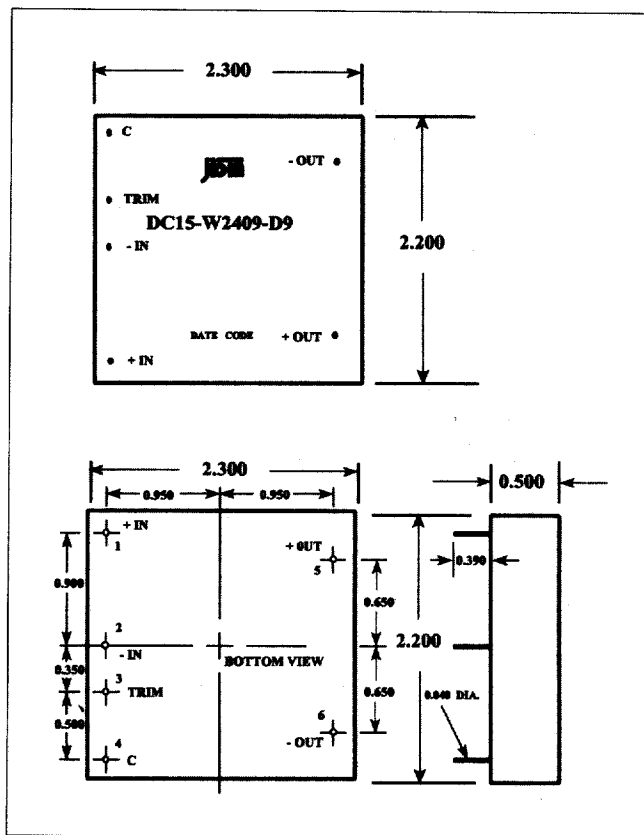




GENERAL FEATURES:

- * Wide input ranges (2:1)
- * Input/output isolated
- * Low output ripple noise
- * Short circuit protection
- * Line and load regulation
- * Input and output filtering
- * High efficiency and reliability
- * Low cost
- * Custom design available
- * External trimming adjustment

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 D9 DC/DC converter is a 6-pin package power supply, capable of supporting wide input ranges. Inputs are 18 volts to 36 volts. Outputs for this model range from 5 volts to 48 volts. The units are available in 15 watt configurations, in standard and custom designs.

NOTES TO SCHEMATIC

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

WIRING DETAILS

Single Output

Pin #	Connection
1	+ V in
2	- V in
3	Trim
4	Common
5	+ V out
6	- V out

ELECTRICAL SPECIFICATIONS

Efficiency (at Full Load):	Up to 80%
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*:	See Table of Values
Load Regulation**:	See Table of Values
Voltage Stability (24 Hour):	+ / - 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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REGULATED POWER SUPPLIES JBM PART NO.	INPUT V _{dc}	OUTPUT V _{dc}	OUTPUT CURRENT (mA)	EFFICIENCY AT FULL LOAD %	REGULATION LINE %	LOAD %	O/P NOISE mVp-p
DC15-W2405-D9	18-36	5.0	3000	78	1.50	2.0	50
DC15-W2409-D9	18-36	9.0	1667	78	0.50	1.5	50
DC15-W2412-D9	18-36	12.0	1250	78	0.50	1.0	50
DC15-W2415-D9	18-36	15.0	1000	78	0.50	1.0	50
DC15-W2424-D9	18-36	24.0	625	83	0.25	1.0	50
DC15-W2428-D9	18-36	28.0	536	84	0.25	0.5	50
DC15-W2448-D9	18-36	48.0	313	84	0.25	0.5	50

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