

Behlman Power Products

COTS POWER SUPPLY

DCS1000T - 1 - (-12, 3.5) (12, 3.5)(24, 16.7) P/N 94039

Behlman's DCS1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS1000 can accept a wide range of inputs and can supply a variety of DC outputs. These rugged power supplies are built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704 and MIL-STD-1399. Units are Base Plate cooled.

INPUT Input Transient protection: Per Mil-STD-1399
-1: 85-265 VAC, 47-440 Hz, Power Factor Corrected

OUTPUT (S): T (Triple)

Voltage/Current	12 VDC +/-1% @ 3.5 A
	12 VDC +/-1% @ 3.5 A
	24 VDC +/-1% @ 16.7 A
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	0.2% Maximum
PARD-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Over Current Protected
Over voltage:	Included
Efficiency:	80% Typical
Remote Sense:	0.6V compliance



GENERAL CHARACTERISTICS-See O&C drawing 24105

Isolation	
Input to Output:	1000 VDC
Input to Case:	2500 VDC
Output to Case:	200 VDC
Dimensional Data:	11.32"L X 5"W X 2.0"H
Weight:	3.4 lbs
J1- Input:	7W2 Type Positronics
J2- Output:	13W6 Type Positronics

ENVIRONMENTAL:

Operating Temperature:	-40 to +85 degrees C Base Plate
Storage Temperature:	-40 to + 100 degrees C
	Designed to meet:
Shock:	MIL-S-901; MIL-STD-810
Vibration:	MIL-STD-167; MIL-STD-810
Humidity:	MIL-STD-810
EMI/EMC:	MIL-STD-461C/D
	RE02/102 compliance when installed in shielded enclosure



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