BC Systems, Inc.

BC-752
DC to DC
Power Converter
800 W, 4kW Peak

Military Power
Made In
The U.S.A

Electrical Specification:
Input: 270 VDC
Outputs (8):
+5 VDC @ 40 A
+3.3 VDC @ 40 A
+12 VDC @ 8 A
-12 VDC @ 5 A
-5 VDC @ 1 A
+24 VDC @ 1 A
+15 VDC @ 3 A
+51 VDC @ 10 A Avg, 50 A Peak

800 Watts, 4kW peak
Power Holdup (all VDC except 51VDC): 50ms
Efficiency: > 70%
Isolation:
Input to Output: 50Meg @ 500VDC
Inputs to Chassis: 50Meg @ 500VDC
Outputs to Chassis: 50Meg @ 50VDC

Weight: < 12.5 lbs
Size: 8.51x7.24x3.17 inches

Protection/Status BIT
Over voltage
Over current
Over temperature

Cooling: Conduction with external air fins

Operating temperature: Mil-Std 810F
-55 deg C to +71 deg C
Humidity: 95%, condensing

EMI Filter: External Mil-Std 461E
Size: 3.50x3.37x2.65 inches (T6130-0048-003)
Size: 5.84x3.51x3.39 inches (T6130-0048-103)

Altitude: -1500 to + 16,000 ft
Operational shock & vibration: Mil-Std 810F
Shock: 10 g
Vibration: up 5.4g, down 2.7g, other axis 2.0g

MTBF: > 30,000 hours

Airborne Applications
IFF Radar, Meets CE101

BC Systems, Inc. is a designer and manufacturer of military power supplies, using the latest solid state device technology to achieve reliable specification compliant products. Power supplies are designed to meet or exceed customer requirements. Military applications include all service platforms: ground, air, and shipboard. Power supply technical qualifications are based on our vast experience in the design and manufacture of power supplies.

BC Systems employs innovative packaging and thermal management techniques that are manufactures in our state of the art facility providing enhanced production process control. Our complete in-house manufacturing capability provides our design and manufacturing team with the advantage of supplying products that achieve maximum performance, in the smallest package possible, within schedule requirements.

BC Systems is a small, veteran owned business service the U.S. Government and U.S. Military for over 30 years.

BC Systems, Inc.
200 Belle Mead Rd
Setauket, NY 11733
Phone: 631-371-9029
Fax: 631-751-9378
email: sales@bcpowersys.com
Web: www.bcpowersys.com

ISO 9001:2008
AS9100 in process