BC-753
AC to DC
Power Converter
800 W, 4kW Peak

Electrical Specification:
Input: 115/230 VAC, 1 phase, 47 - 440 Hz
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

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.

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