DC to DC POWER CONVERTER  
Multiple DC outputs  
Model: BC-302

ELECTRICAL SPECIFICATIONS:

Input: 28 VDC  
Outputs: DC Outputs  
+3.3 VDC @ 20 Amperes Max.  
+5 VDC @ 20 Amperes Max.  
Ripple & Noise < 50mVp-p  
+12 VDC @ 2.0 Amperes  
-12 VDC @ 2.0 Amperes  
+20 VDC @ 2.0 Amperes  
-20 VDC @ 2.0 Amperes  
Ripple & Noise < 150mVp-p

Efficiency: 68% Minimum  
Isolation:  
Input to Output: 10Meg @ 500VDC  
Input to chassis: 10Meg @ 500 VDC  
Output to chassis: 10Meg @ 50VDC

Weight: 3.0 pounds max.

Protection/Status Bit:  
- Over-voltage  
- Over-current  
- Over-temperature

Cooling: Conduction Cooling

Temperature:  
- Operating: -40°C to +85°C  
- Non-Operating: -55°C to +85°C

Shock IAW DO-160  
Vibration IAW DO-160  
EMI/EMC IAW Do-160

Size: 3.8” x 6.2” x 1.7”

300 WATTS, 4 OUTPUT,  
28V INPUT POWER SUPPLY  
QUALIFIED TO DO-160D FOR  
AIR-BORNE APPLICATIONS

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 specified environmental 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 Inc employs innovative packaging and thermal management techniques which are manufactured onsite 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 serving the U.S. Government and U.S. Military for over 22 years. BC Systems’ specializes in Power Supplies.

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“ALL OF YOUR POWER REQUIREMENTS”

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