



**Model: BC-E000-30S**

Description:.....	30dB Bi-Directional Coupler
Operating Frequency:.....	4 - 8 GHz
Coupling (reference to input):.....	30 ± 1 dB Nominal
Coupling Flatness:.....	± 0.70 dB Max
Total Insertion Loss (including coupled power):..	0.6 dB Max
Directivity: .....	15 dB Min
VSWR: .....	Line..... 1.30:1 Max
.....	Couple..... 1.35:1 Max
Power Handling: .....	50W AVG/CW <> 1KW Peak
Connectors: .....	SMA (f)
Impedance:.....	50 Ohm
Quality:.....	Best-Commercial-Grade

**Environmental Ratings:**

Temperature:.....	{Operating: -40°C to +85°C} & {Storage: -50°C to +100°C}
Humidity: .....	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock: .....	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration: .....	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude: .....	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock: .....	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

**Outline**  
("A" = 2.500" [63.5mm])

