



**Model: BC-M000-30S**

Description:	30dB Bi-Directional Coupler
Operating Frequency:	4.5 – 13.5 GHz
Coupling (reference to input):	30 ±1 dB Nominal
Frequency Sensitivity:	± 0.75 dB Max
Insertion Loss (including coupled power):	0.9 dB Max
Directivity:	11 dB Min
VSWR:	Line ..... 1.45:1 Max
	Couple ..... 1.45:1 Max
Power Handling:	50W AVG/CW <> 1 KW 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" = 3.750" [95.3mm])

