



**Model: BC-100A-30S**

Description:..... 30dB Bi-Directional-Coupler  
 Operating Frequency:..... 2 - 1000 MHz  
 Coupling (reference to input):..... 30 ± 1.5 dB Nominal  
 Coupling Flatness:..... ± 1.2 dB Max  
 Insertion Loss (including coupled power):

20 - 500 MHz	500 - 1000 MHz
1.0 dB Max	1.6 dB Max

VSWR:

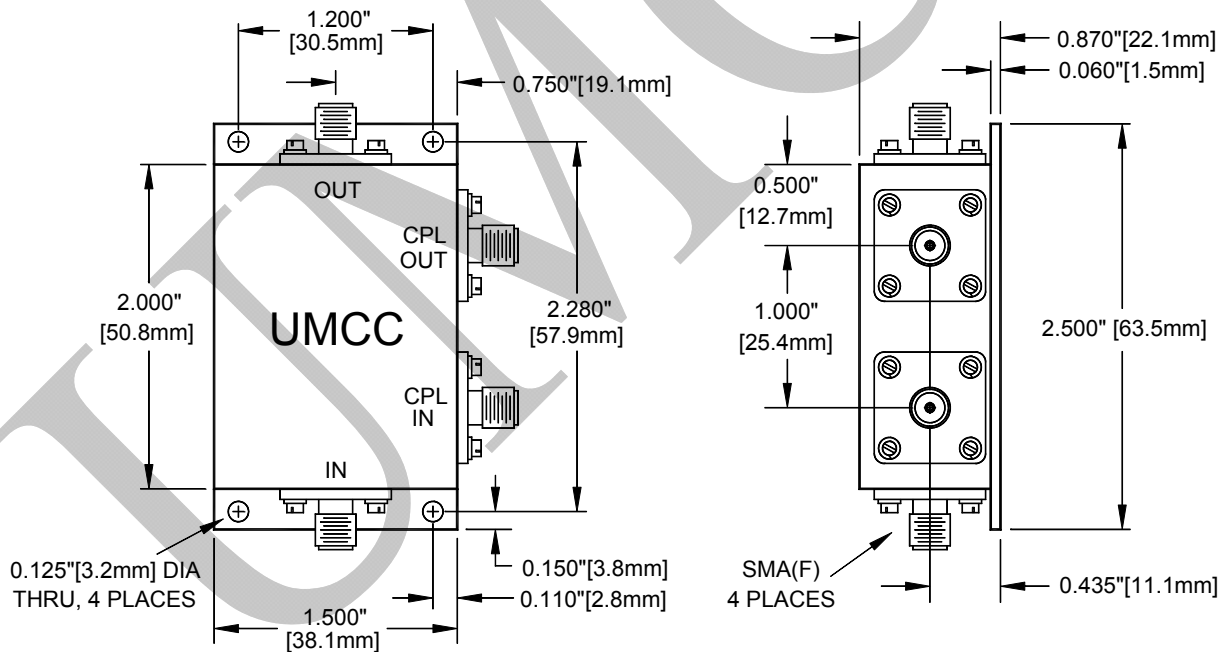
20 – 30 MHz	30 - 1000 MHz
1.6:1 Max	1.4:1 Max

Directivity: ..... 18 dB Min  
 Power Handling: ..... 2W CW / Peak  
 Connectors: ..... SMA (f)  
 Impedance: ..... 50 Ohms Nominal  
 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**



<b>Weight</b>
2.9 oz [ 82.2 g]