



**Model: BC-050A-20N**

Description: ..... 20 dB Bi-Directional-Coupler  
 Operating Frequency:..... 1 - 500 MHz  
 Coupling (reference to input):..... 20 ± 1 dB Nominal  
 Coupling Flatness: ..... ± 0.7 dB Max  
 Insertion Loss (including coupled power): ..... 1.6 dB Max

VSWR:

1 - 2 MHz	2 - 500 MHz
1.50:1 Max	1.35:1 Max

Directivity:

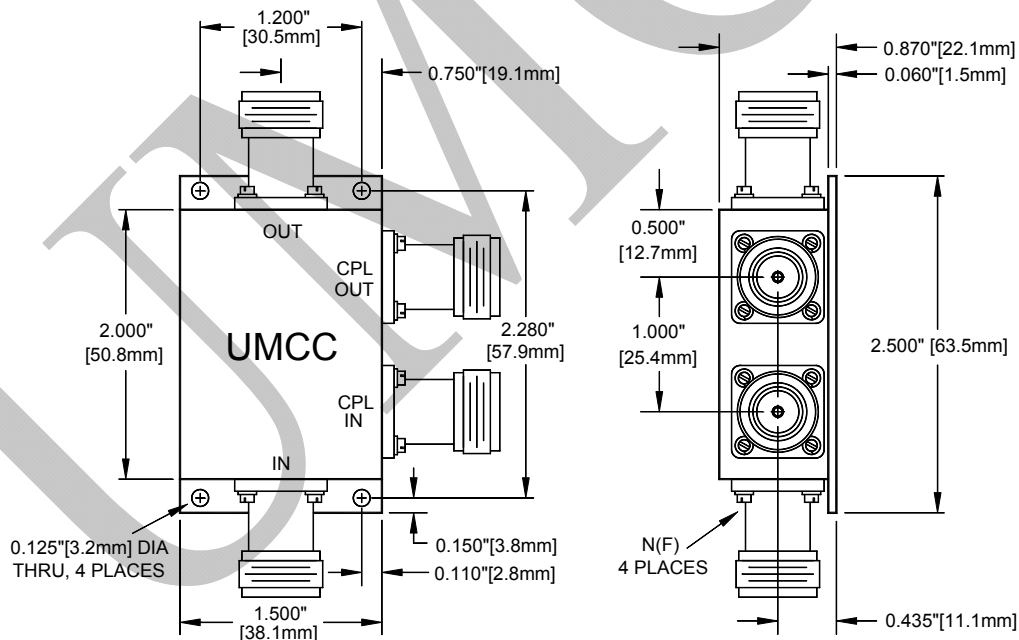
1 - 100 MHz	100 - 500 MHz
25 dB Min	19 dB Min

Power Handling: ..... 2W CW / Peak  
 Connectors:..... N (f)  
 Impedance: ..... 50 Ω 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>
4.9 oz [ 139 g]