



**Model: DC-1000-30S**

Description:..... Directional Coupler  
 Operating Frequency:..... 10-1000 MHz  
 Coupling (reference to input):..... 30 ± 1.5 dB Nominal  
 Coupling Flatness:..... ± 0.9 dB Max  
 Insertion Loss (including coupled power):

10-500 MHz	500-1000 MHz
0.5 dB Max	0.9 dB Max

VSWR:

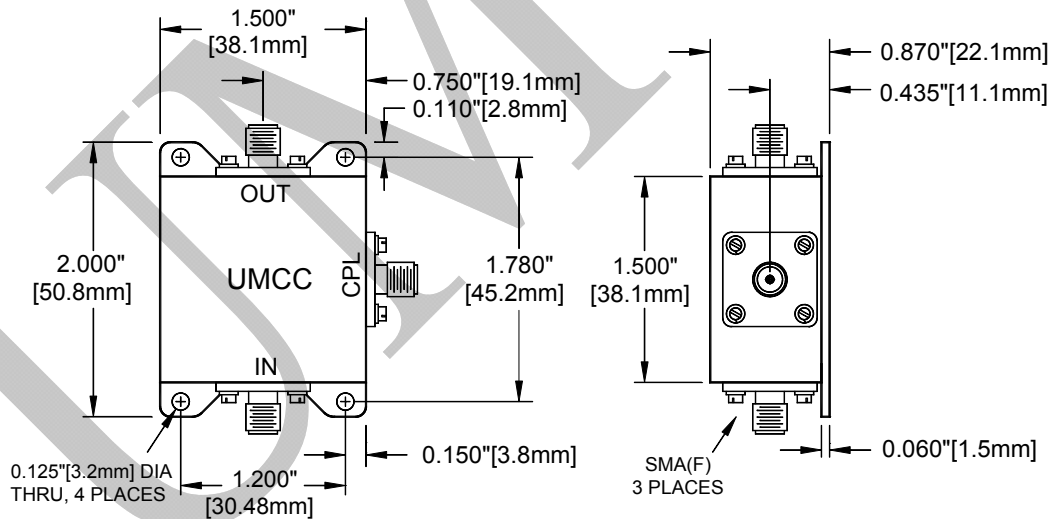
10-20 MHz	20-1000 MHz
1.8:1 Max	1.35:1 Max

Directivity: ..... 18dB 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**



Weight	Tolerances
2.1 oz [ 60 g]	±0.015" [±0.38mm]