



**Model: DC-S000-16S**

Description:..... Directional Coupler  
 Operating Frequency:..... 2 - 18 GHz  
 Coupling (reference to input):..... 16 ± 1dB Nominal  
 Coupling Flatness:..... ± 0.85 dB Max  
 Insertion Loss (including coupled power):..... 0.85 dB Max  
 Directivity:

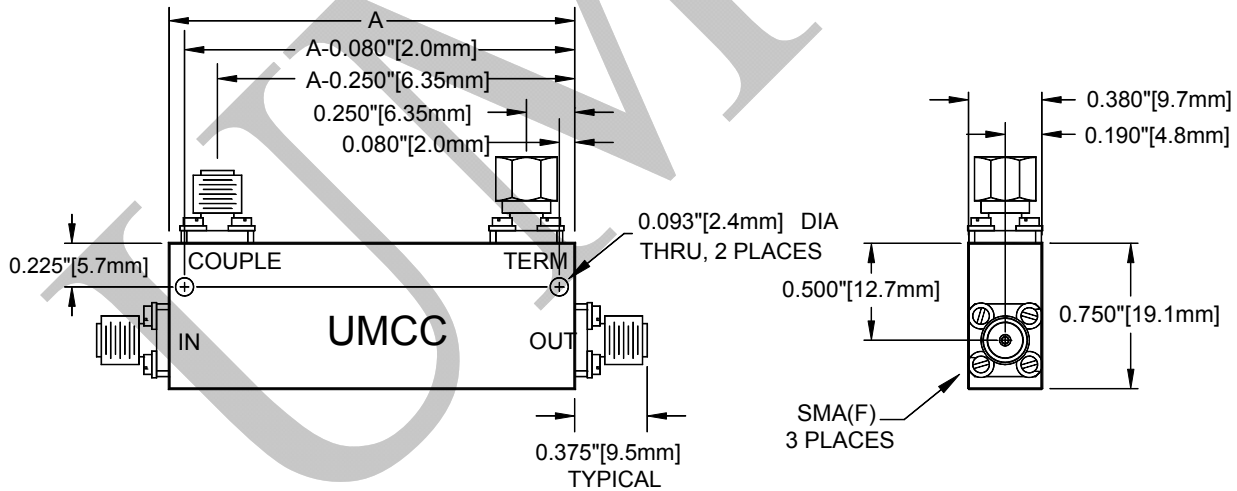
2 - 12 GHz	12 - 18 GHz
15 dB Min	12 dB Min

VSWR:..... Line ..... 1.45:1 Max  
 ..... Couple ..... 1.55:1 Max  
 Power Handling:..... Incident @ Input ..... 40W Cw/Avg Max  
 ..... Incident @ Output ..... 20W Cw/Avg Max  
 Connectors:..... SMA (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**  
 ("A" = 2.180" [55.4mm])



Weight	Tolerances
1.5 oz [ 42.5 g]	±0.015" [±0.38mm]