



**Model: DC-L000-30S**

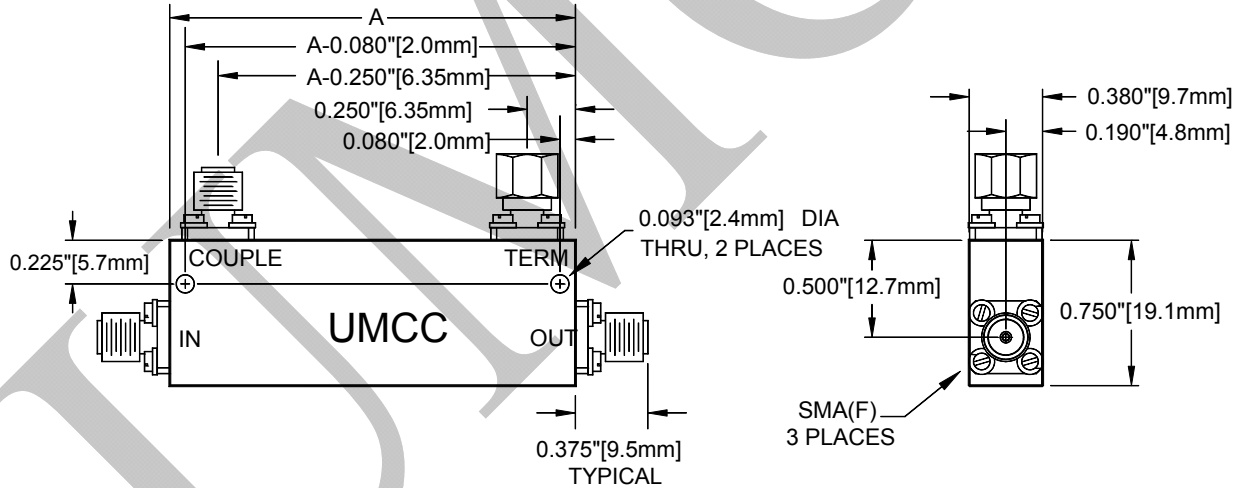
Description: ..... Directional Coupler  
 Operating Frequency: ..... 2 - 8 GHz  
 Coupling (reference to input): .....  $30 \pm 1$  dB Nominal  
 Coupling Flatness: .....  $\pm 0.7$  dB Max  
 Insertion Loss (including coupled power): ..... 0.4 dB Max  
 Directivity: ..... 15 dB Min  
 VSWR: ..... Line ..... 1.3:1 Max  
 ..... Couple ..... 1.3:1 Max  
 Power Handling: ..... Incident @ Input ..... 50W Cw/Avg Max  
 ..... Incident @ Output ..... 50W Cw/Avg Max  
 Connectors: ..... SMA (f)  
 Impedance: .....  $50 \Omega$  Nominal  
 Quality: ..... Best-Commercial-Grade

**Environmental Ratings:**

Temperature: ..... {Operating:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ } & {Storage:  $-50^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ }  
 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" = 2.300" [58.4mm])



Weight	Tolerances
1.4 oz [ 39.7 g ]	$\pm 0.015$ " [ $\pm 0.38$ mm ]