



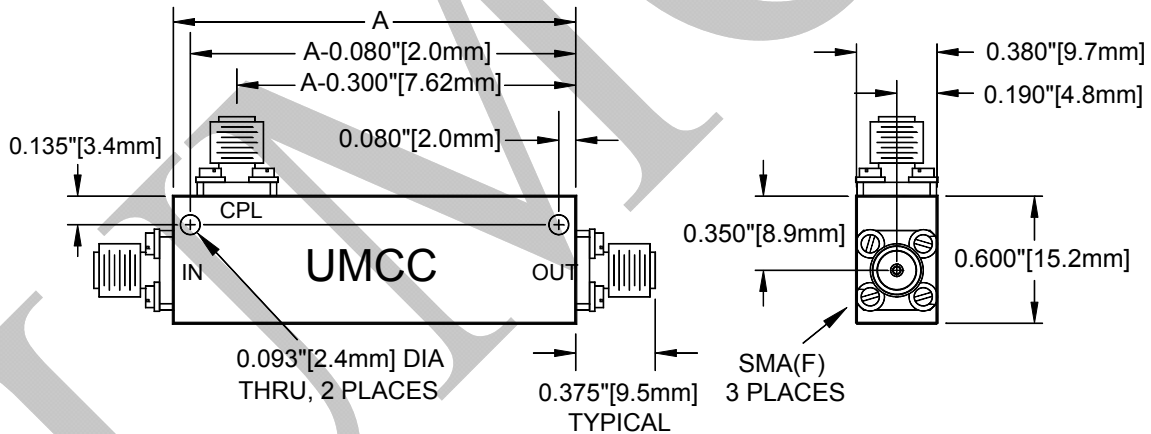
**Model: DC-F000-30S**

Description: ..... Directional Coupler  
 Operating Frequency: ..... 6.5 – 14.5 GHz  
 Coupling (reference to input): ..... 30 ± 1 dB Nominal  
 Frequency Sensitivity: ..... ± 0.5 dB Max  
 Insertion Loss (including coupled power): ..... 0.4 dB Max  
 Directivity: ..... 13 dB Min  
 VSWR: ..... Line ..... 1.40:1 Max  
 ..... Couple ..... 1.45:1 Max  
 Power Handling: ..... Incident @ Input ..... 30W Cw/Avg Max  
 ..... Incident @ Output ..... 30W 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" = 1.400" [35.6mm])



Weight	Tolerances
0.8 oz [22.7 g]	± 0.015" [ ± 0.38 mm ]