



Model: DC-B500-30S

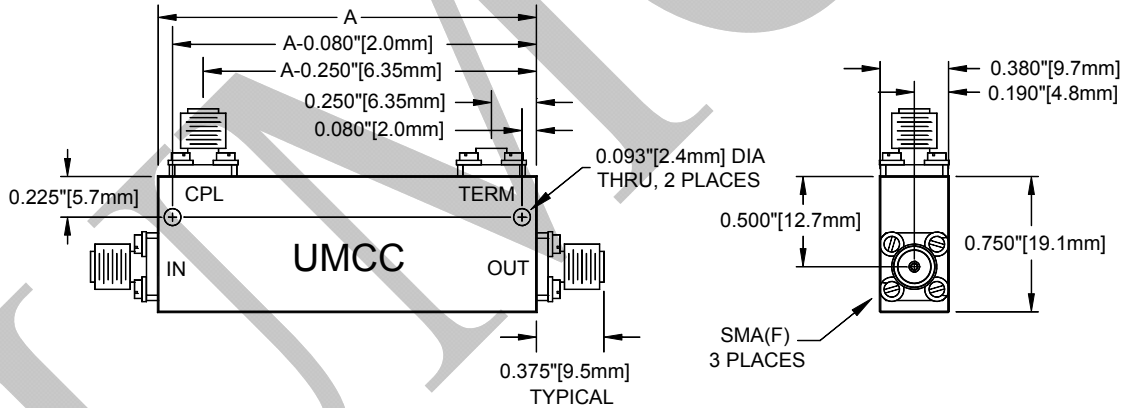
Description:..... Directional Coupler
 Operating Frequency:..... 0.45 – 3.25 GHz
 Coupling (reference to input):..... 30 ± 1 dB Nominal
 Coupling Flatness:..... ± 0.7 dB Max
 Insertion Loss (including coupled power):..... 0.4 dB Max
 Directivity: 17 dB Min
 VSWR: Line 1.2:1 Max
 Couple 1.2:1 Max
 Power Handling: Incident @ Input 50W Cw/Avg Max
 Incident @ Output 50W 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" = 5.800" [147.3mm])



Weight	Tolerances
3.0 oz [85 g]	± 0.015" [± 0.38 mm]