



Model: HC-B101-MS

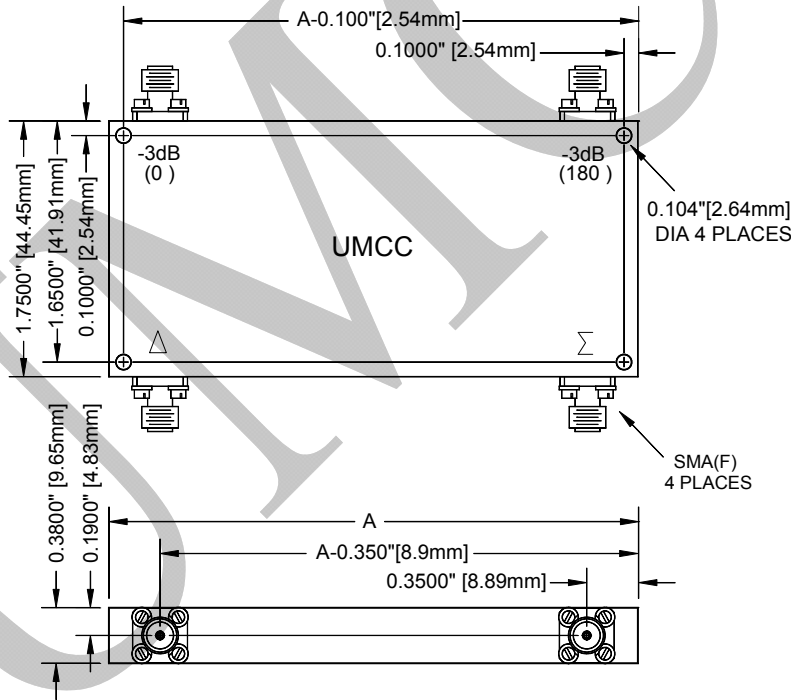
Description:..... 180° / 3dB Hybrid Coupler
 Operating Frequency:..... 0.6 – 1.2 GHz
 Coupling (Includes Loss & flatness):..... 3.3 ± 0.5 dB Max
 Frequency Flatness:..... ± 0.5 dB Max
 Isolation 24 dB Min
 VSWR:..... 1.30:1 Max
 Phase Error (Reference to Median Line):..... ±5° Max
 Power Handling: CW/AVG:..... 50W Max
 Peak:..... 3KW Max
 Connectors: SMA (f)
 Impedance:..... 50 Ohms Nominal
 Weight:..... 5.5oz [156g]
 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" = 5.300" [134.6mm])



Phase / Ampl. Function Table		Signal Output			
		Δ	Σ	0°	180°
Signal Input	Δ	X	Iso.	-3dB∠0°	-3dB∠180°
	Σ	Iso.	X	-3dB∠0°	-3dB∠0°
	0°	-3dB∠0°	-3dB∠0°	X	Iso.
	180°	-3dB∠180°	-3dB∠0°	Iso.	X