



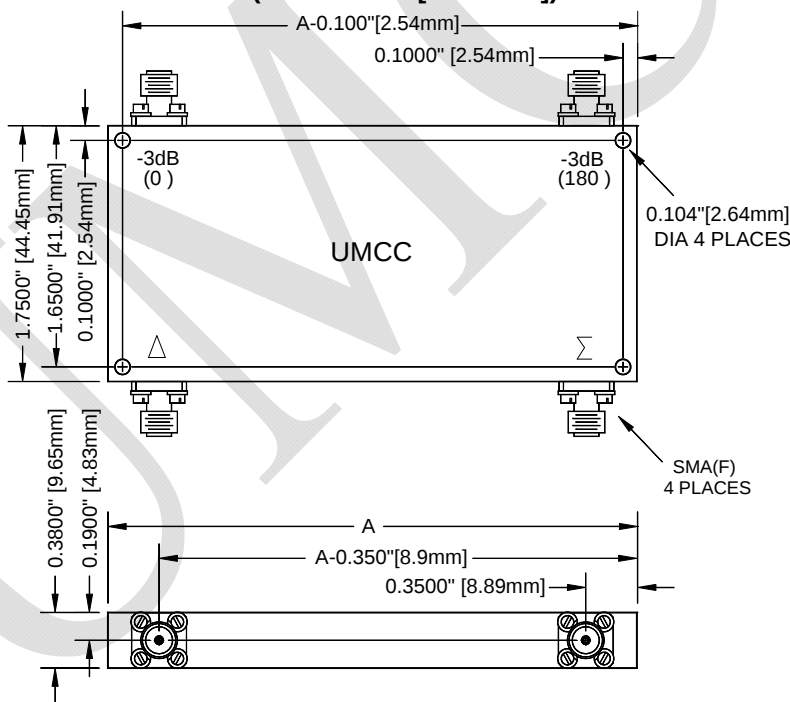
Model: HC-B101-MS

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: ±9° 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: -55°C to +95°C} & {Storage: -60°C to +110°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 $\angle$ 0°	-3dB $\angle$ 180°
	Σ	Iso.	X	-3dB $\angle$ 0°	-3dB $\angle$ 0°
	0°	-3dB $\angle$ 0°	-3dB $\angle$ 0°	X	Iso.
	180°	-3dB $\angle$ 180°	-3dB $\angle$ 0°	Iso.	X