



Model: HC-D000-MS

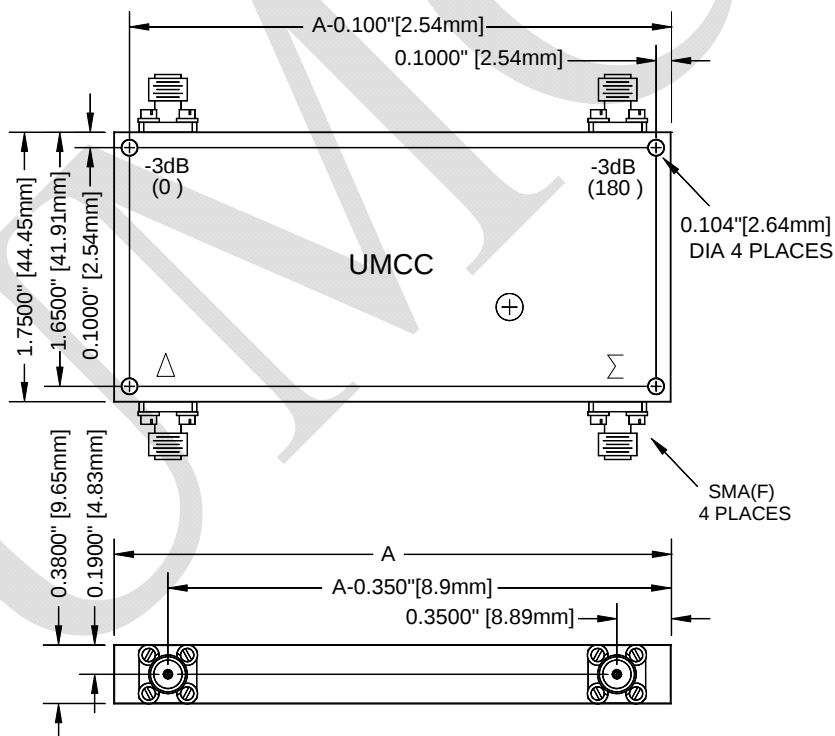
Description: 180° / 3dB Hybrid Coupler
Operating Frequency: 2 – 4 GHz
Coupling (Includes Loss & flatness): 3.5 ± 0.7 dB Max
Frequency Flatness: ± 0.6 dB Max
Isolation 22 dB Min
VSWR: 1.35:1 Max
Phase Error: ±9° Max
Power Handling: CW/AVG: 50W Max
..... Peak: 3KW Max
Connectors: SMA (f)
Impedance: 50 Ohms Nominal
Weight: 2.6 oz [73.7g]
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"= 2.300" [58.4mm])



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