



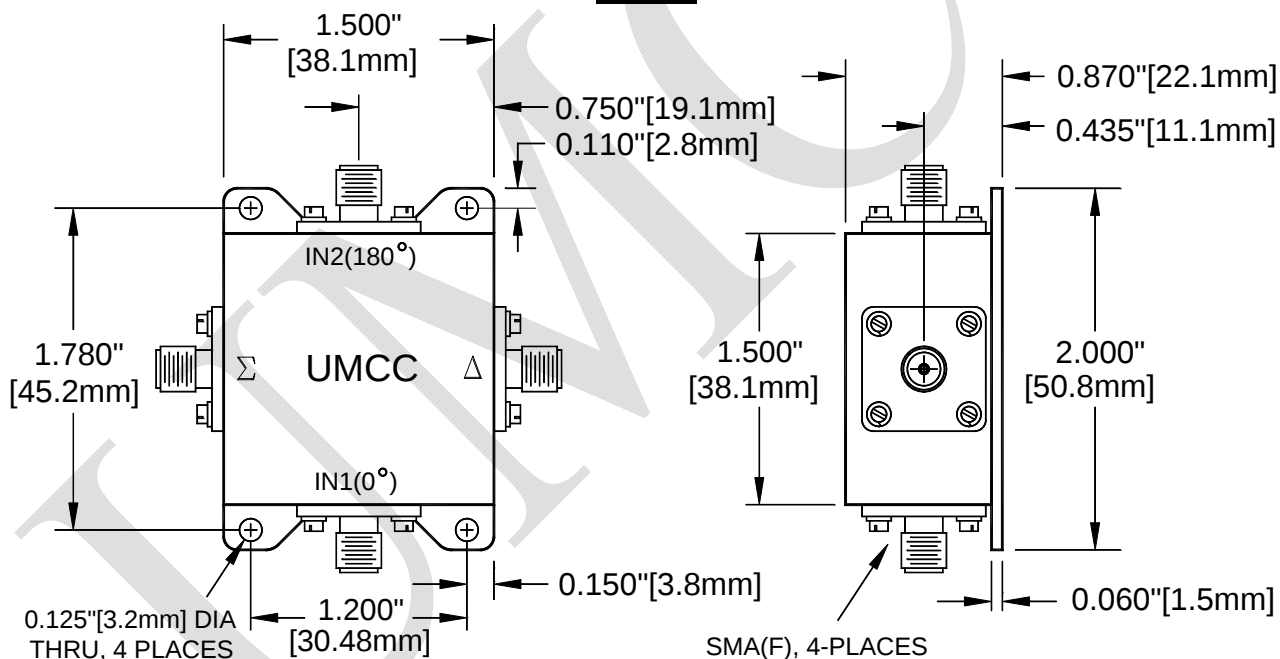
Model: HC-W030-MS

Description:..... 180° / 3dB Hybrid Coupler
Operating Frequency:..... 0.03 – 10 MHz
Insertion Loss: 0.5 dB Max
Amplitude Balance:..... ± 0.3 dB Max
Isolation 25 dB Min
VSWR: 1.30:1 Max
Phase Error:..... ±5° Max
Power Handling: 8W CW/Peak
Connectors: SMA (f)
Impedance: 50 Ohms Nominal
Weight: 2.8 oz [79.4g]
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



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