



**Model: HC-Y000-QS**

Description:	90° / 3dB Hybrid Coupler
Operating Frequency:	5 - 10 GHz
Coupling (Including Loss and Flatness):	3.2 ± 0.6 dB Max
Frequency Flatness:	± 0.6 dB Max
Isolation	19 dB Min
VSWR:	1.40:1 Max
Phase Error:	±3° Max
Power Handling:	AVG/CW: 30W Max
	Peak: 2KW Max
Connectors:	SMA (f)
Impedance:	50 Ohms Nominal
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" = 1.150" [29.2mm])

