



**Model: HC-L000-QS**

Description:..... 90° / 3dB Hybrid Coupler  
 Operating Frequency:..... 2 - 8 GHz  
 Coupling (Including Loss and Flatness):..... 3.3 ± 0.8 dB Max  
 Frequency Flatness:..... ± 0.6 dB Max  
 Isolation ..... 17 dB Min  
 VSWR:..... 1.35:1 Max  
 Phase Error:..... ±5° Max  
 Power Handling: ..... AVG/CW:..... 50W Max  
 ..... Peak: ..... 3KW Max  
 Connectors: ..... SMA (f)  
 Impedance:..... 50 Ohms Nominal  
 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" = 1.950" [49.5mm])

