Waveguide WR90 Dual Directional Coupler 8.5 – 9.6GHz

Features

- Compact Package
- Dual Directional Coupler
- Other Frequency Ranges available.

Typical Applications

- Aerospace and military applications
- Test and Measurement
- Research and Development

RoHS Compliant

Electrical Specifications, T_A=25 ℃

Parameter	Min.	Typ.	Max.	Units
Frequency Range	8.5		9.6	GHz
	10 – 11GHz Also Available. Please inquire.			GHz
Directivity	15			dB
Insertion Loss			0.25	dB
VSWR Primary			1.10	:1
VSWR Secondary			1.25	:1
Coupling 1		50		dB
Coupling 2		50		dB
Waveguide Type	WR90			
Flange Type	UG135/U(COVER)			
Coupled Port Connector	N-Female			
Material	Copper / Brass			
Internal Finish	Silver Plated			
Exterior Finish	Gray Paint			

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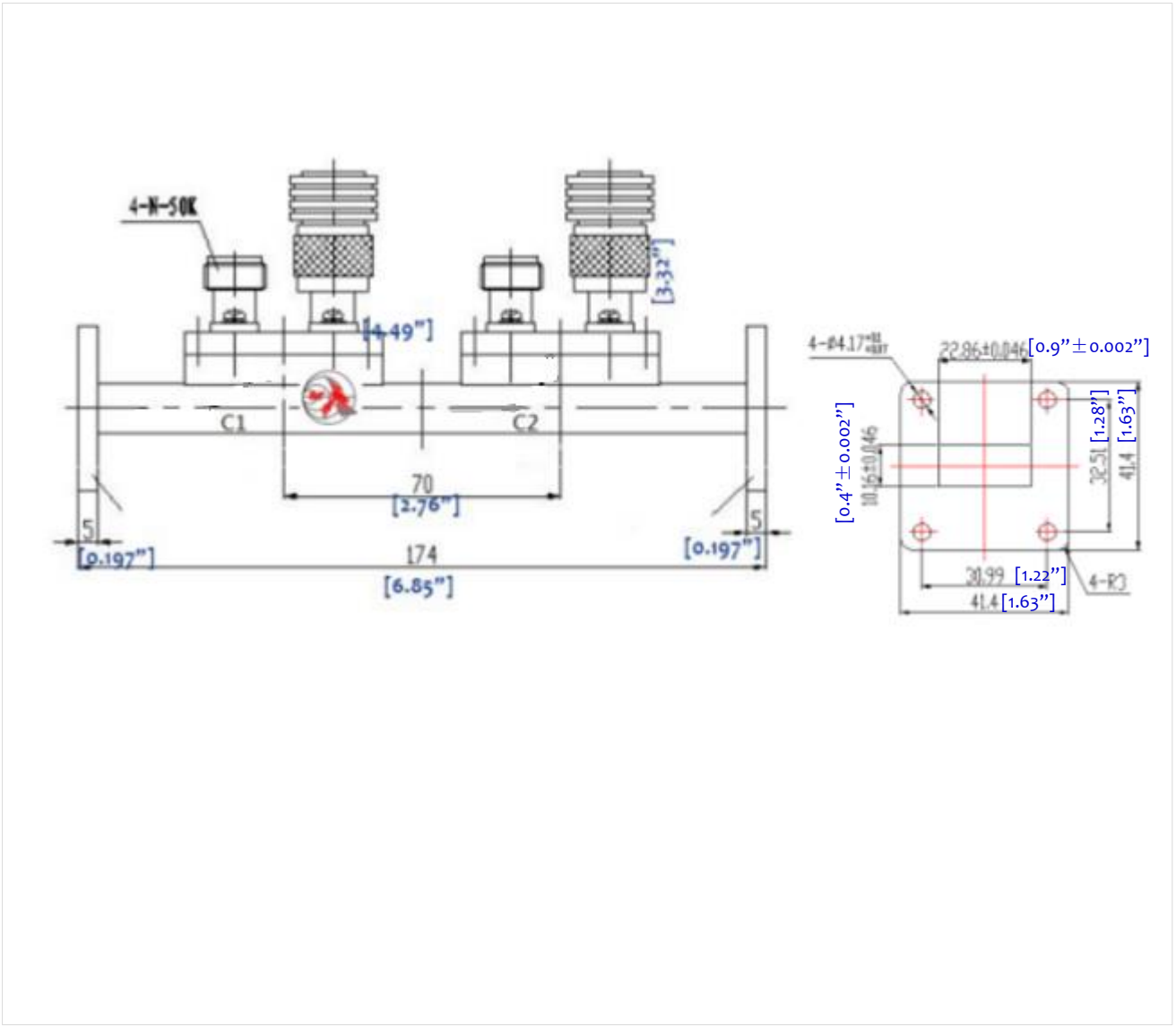
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40℃~+85℃
Storage Temperature		-60℃~+85℃
Thermal Shock		1 Hour@ -45℃→ 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]



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