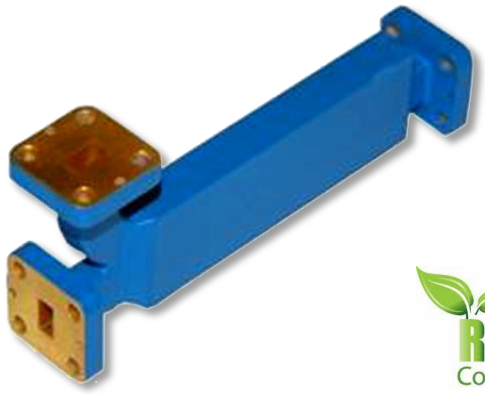
Waveguide WR28 Directional Coupler 26.5 - 40.4GHz



RoHS Compliant

Features

- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable performance over temperature
- High peak to average handling capability
- All specifications can be modified upon request

Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

Electrical Specifications, T_A=25 ℃

Parameters	Min.	Typ.	Max.	Units
Frequency Range	26.5		40.4	GHz
Nominal Coupling		20		dB
Directivity	30			dB
VSWR Primary			1.1	: 1
VSWR Secondary			1.3	: 1
Impedance	50			Ohms
Weight				ounces
Flange Type	Cover			
Material	Brass			
Finish	Blue Paint			

Environmental Specifications

Operational Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-60 ~ +125
Altitude	45,000 ft.
Vibration	10g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 °C
Shock	20G for 11msec half sine wave, 3 axis both directions

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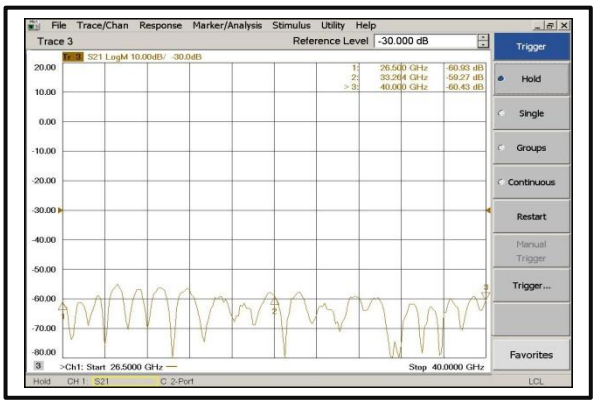
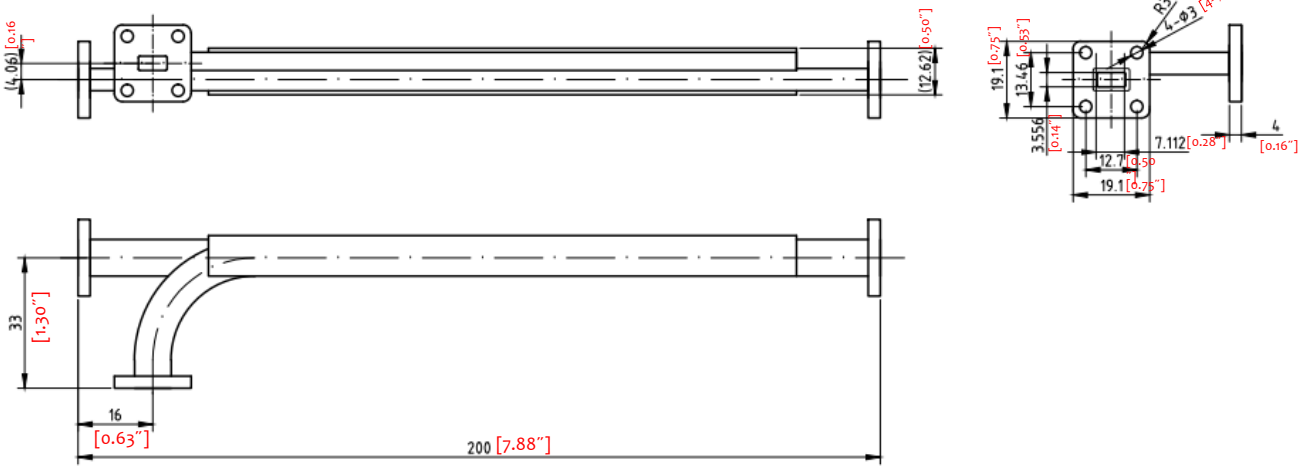
Nominal Coupling

Directivity



Outline Drawing:

All Dimensions in mm [inches]



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