

WR62 30W Waveguide Attenuator 12.4 - 18GHz



Features

- 30W Waveguide Attenuator
- High Power
- Optimized for Pulsed Applications

Typical Applications

- Test and Measurement.
- Wireless Infrastructure.
- Military and Aerospace Applications.

Electrical Specifications, $T_A=25\text{ }^{\circ}\text{C}$

Parameters		Min.	Typ.	Max.	Units
Frequency Range		12.4		18	GHz
VSWR				1.25	: 1
Attenuation		3-9, 10, 20, 30			dB
Accuracy		$\pm 1.5\text{dB}$			dB
Power Handling (CW)				30	W
Waveguide Type		Rectangular Waveguide WR62			
Flange Type		CPRG, CPRF, COVER, CHOKE available			
Flange Holes		Through			
Basis-material		Alloyed Copper			
Finish	Internal	Silver Plated chromate or conversion			
	External	Body painted with gray / black epoxy enamel			

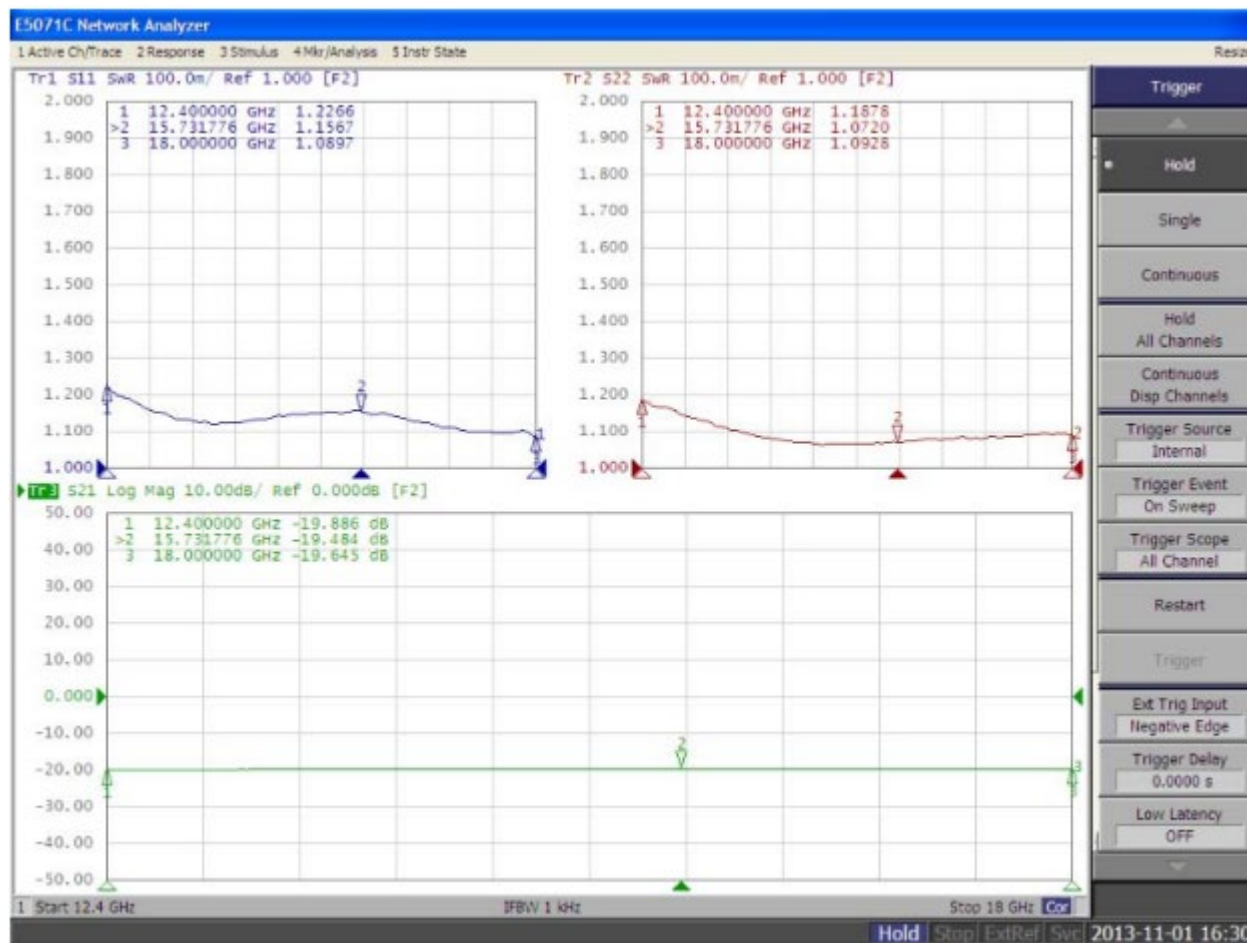
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Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C~+70°C
Storage Temperature	-60°C~+125°C
Thermal Shock	-40°C → +70°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C 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 (For Hermetically Sealed Units)

Typical Performance Plots

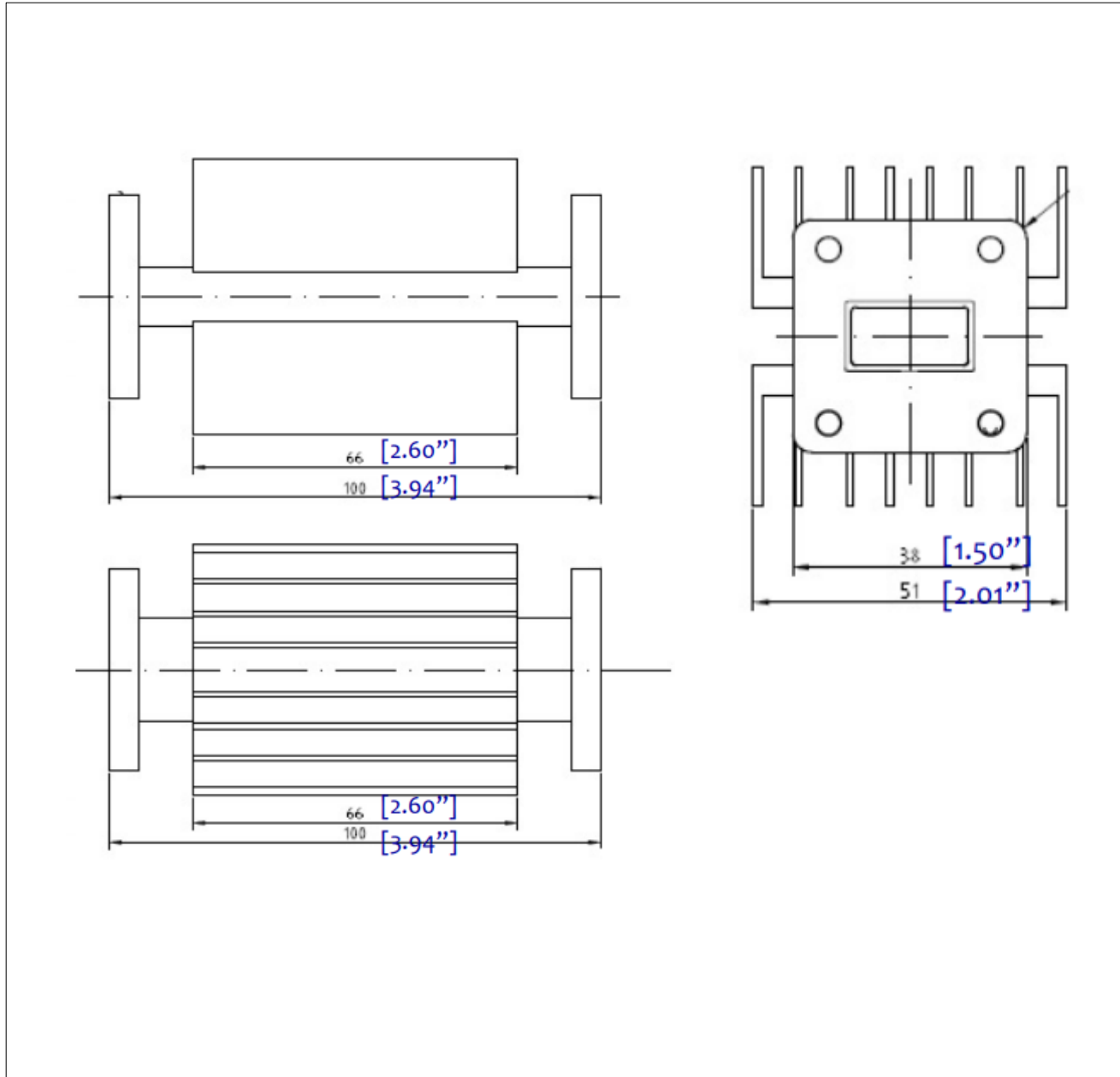
20dB Results Shown



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Outline Drawing

All Dimensions in mm [inches]



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