



### WR42 MANUAL CONTROL ATTENUATOR 18 – 26.5GHz



Note: The photo is for illustration purposes only. Please refer to the outline drawing.



#### Features

- WR42 Waveguide Variable Attenuator
- High Power Handling Capability
- Low Insertion Loss
- Customization available upon request

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

Parameter	Min.	Typ.	Max.	Units
Frequency Range	18		26.5	GHz
VSWR			1.20	: 1
Average Power			1	W
Insertion Loss	0.5			dB
Attenuation Range			35	dB
Waveguide Type	WR42			
Flange type	UG595/U			
Material	Copper / Brass			

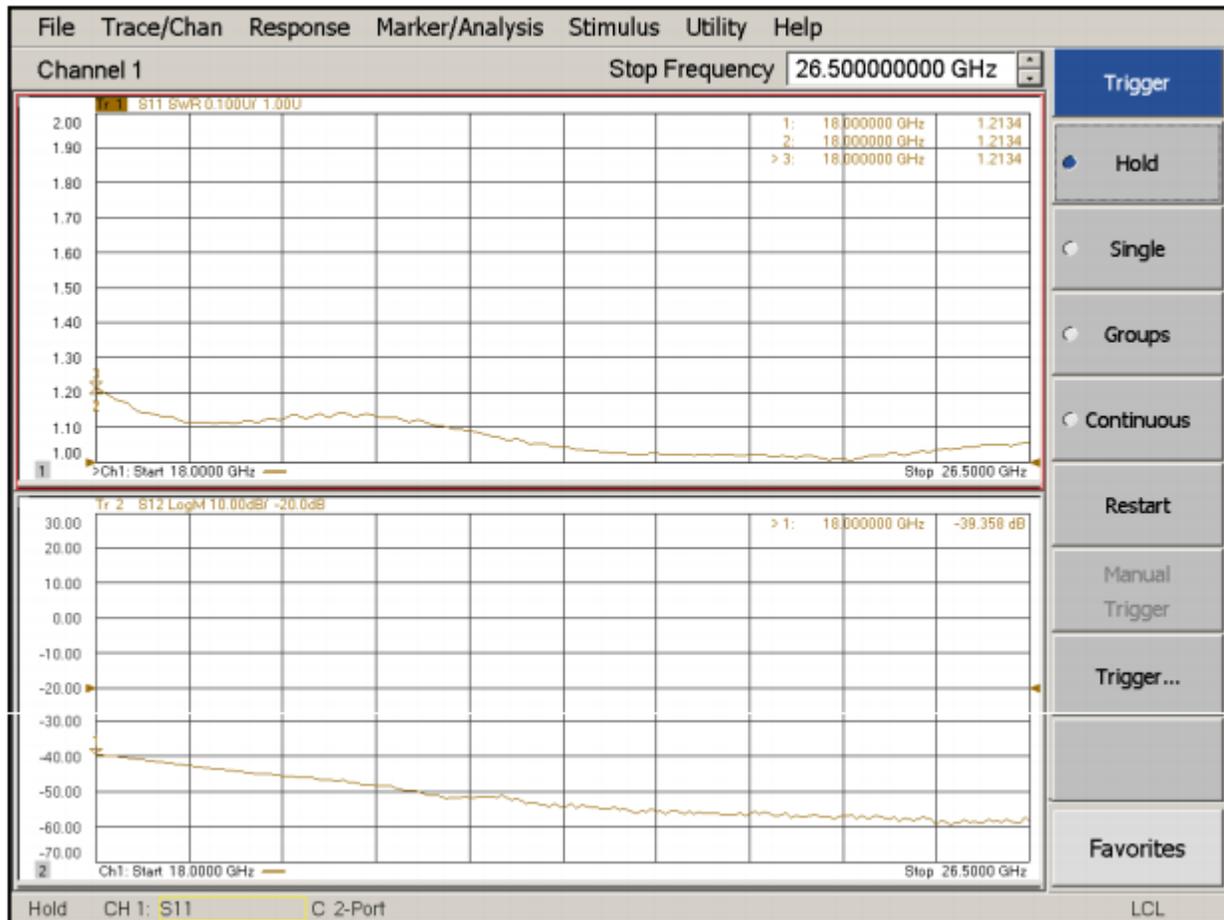
#### Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-10°C~+50°C
Storage Temperature		-40°C~+70°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & 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

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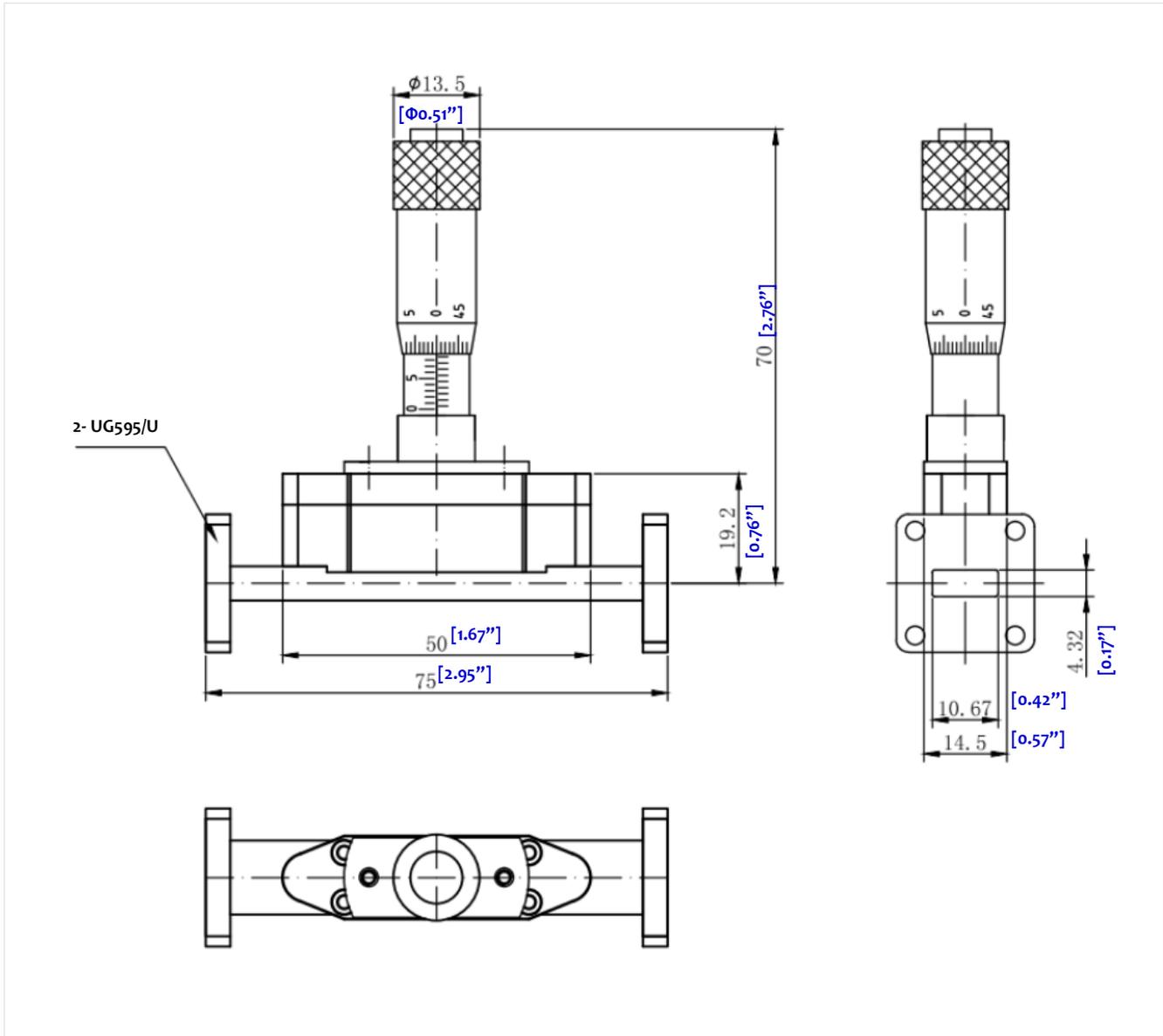
### Typical Performance Plots





### Outline Drawing:

All Dimensions in mm [inches]



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### Important Notice

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