



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWAT28W025B

25W WR28 Waveguide Attenuator 26.5 – 40GHz

Features

- Waveguide Attenuator.
- 3dB, 6dB, 10dB
- 25W Power Handling.



Typical Applications

- Radar Applications.
- Military and Defense.

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

Parameters		Min.	Typ.	Max.	Units
Frequency Range		26.5		40	GHz
VSWR			1.20		: 1
Attenuation		3dB, 6dB, 10dB			
Power Handling				25	W
Peak Power (8us pulse)				1	KW
Waveguide Type		WR28			
Flange type		CPRG, CPRF, COVER, CHOKE available			
Flange Holes		Through			
Basis-material		Alloyed Cuprum 0.1kg			
Finish	Internal Body	Silver Plated chromate or conversion			
	External Body	Body painted with gray/black epoxy enamel			

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Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-60°C~+125°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	MIL-STD-883	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)

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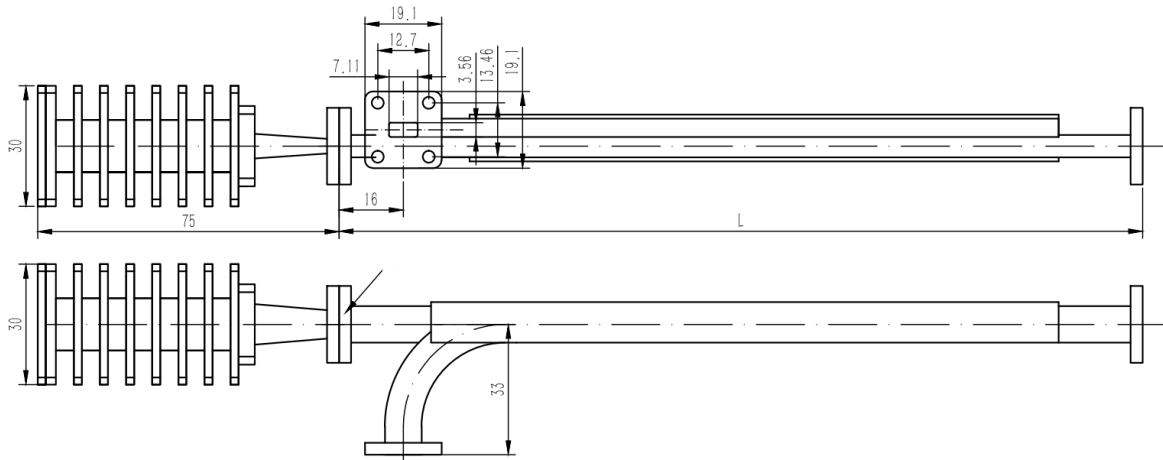
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Outline Drawing:

All Dimensions in mm



Attenuation(dB)	L(mm)
3	210
6	205
10	200

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