



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWAT22W050

Waveguide High Power Coupling Attenuator 33 – 50GHz



Please refer to the mechanical drawing for dimensions.
Picture is only for illustration purpose only.

Features

- Waveguide Coupling Attenuator.
- 30dB Attenuation
- Other attenuation values available upon request.
- 50W Power Handling.
- Other attenuation values available.

Typical Applications

- Microwave Test and Measurement
- Radar Applications.
- Military and Defense.

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	33		50	GHz
VSWR			1.25	: 1
Attenuation *		30		dB
Flatness		± 2		dB
Power Handling			50	W
Waveguide Type	WR22			
Material	Brass			
Finish	Black Paint			

* Other attenuation values available. Please inquire.

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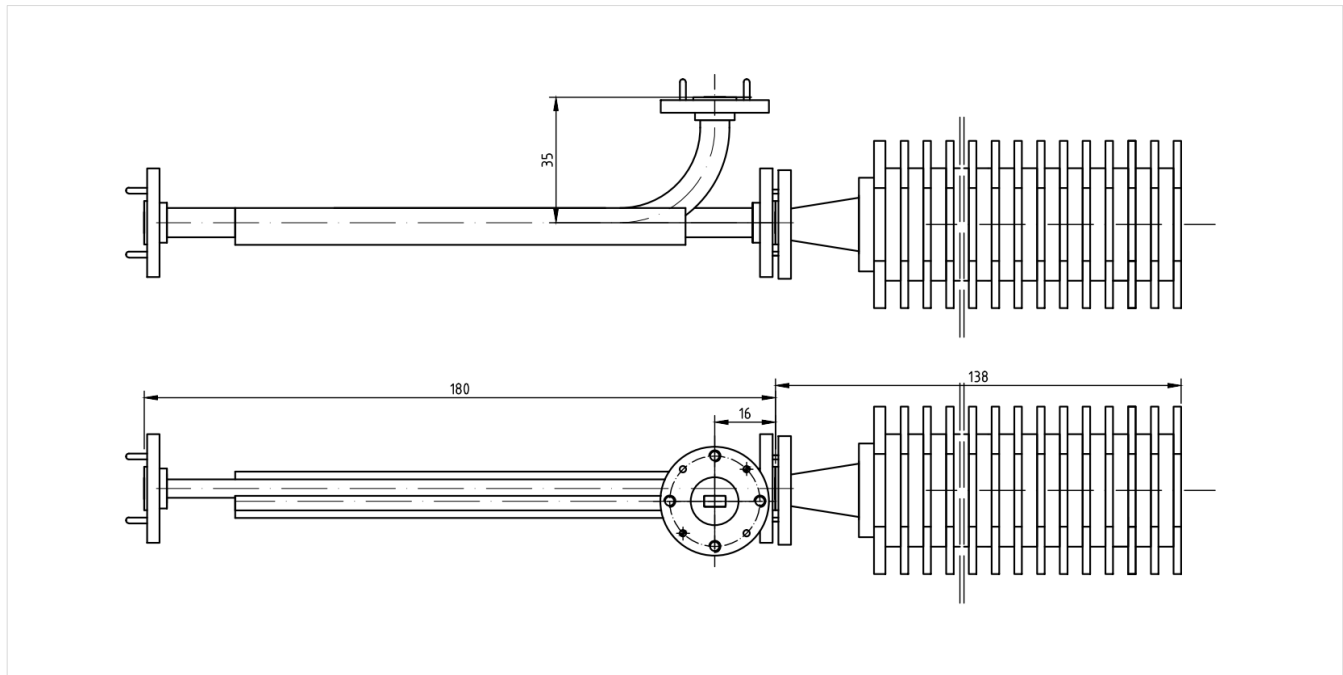


Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°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)

Outline Drawing:

All Dimensions in mm



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