



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWAT90W700

700W WR90 Waveguide Attenuator 8.2 – 12.4GHz



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



Features

- Waveguide Attenuator.
- 30dB \pm 2dB
- 700W Power Handling.

Typical Applications

- Radar Applications.
- Military and Defense.
- Wireless Infrastructure

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

Parameters		Min.	Typ.	Max.	Units
Frequency Range		8.2		12.4	GHz
VSWR				1.25	: 1
Attenuation		30dB \pm 2dB			
Power Handling				700	W
Waveguide Type		WR90			
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		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)



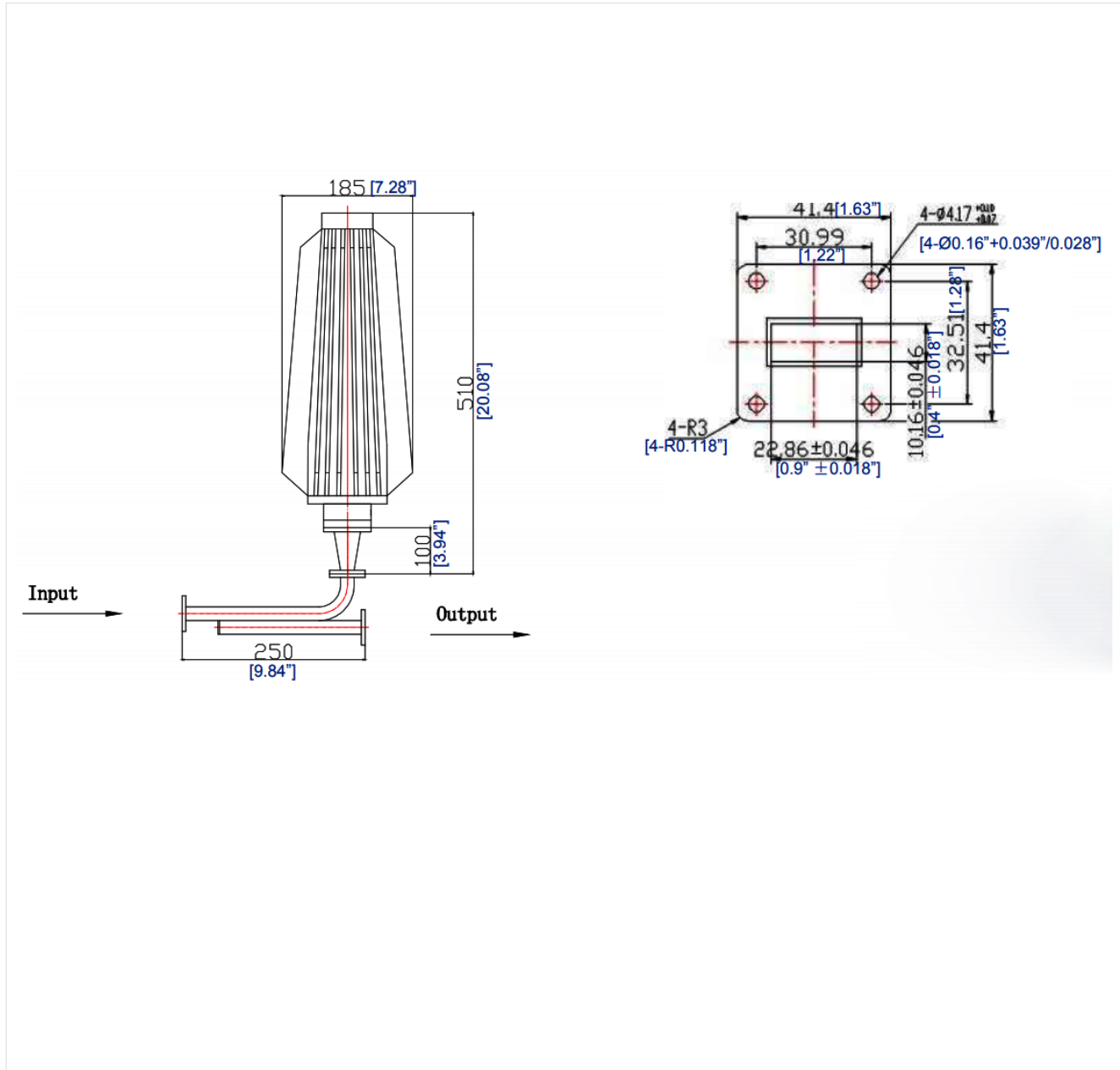
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Outline Drawing:

All Dimensions in mm [inches]



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