



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWT159B

WR159 Waveguide Termination 4.64 – 7.05GHz



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



Features

- High Power Handling: 500W
- Low VSWR

Typical Applications

- Research and Development
- Test and Measurement
- Microwave Subsystems

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	4.64		7.05	GHz
VSWR			1.15	:1
Power Handling			500	W
Waveguide Type	WR159			
Flange Type	CPRF			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°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		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)

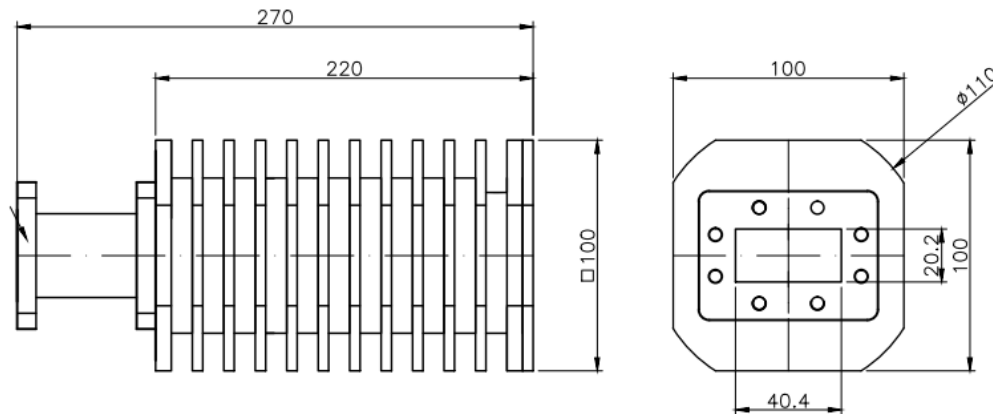
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Outline Drawing:

All Dimensions in mm



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