WR62 Waveguide 1KW High Power Termination
12.4 – 18GHz

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

Features

- High Power Handling: 1KW
- Low VSWR

Typical Applications

- Research and Development
- Wireless Infrastructure
- Test and Measurement
- Microwave Subsystems

Electrical Specifications, T_A=25℃

Parameters		Min.	Typ.	Max.	Units
Frequency Range		12.4		18	GHz
VSWR				1.20	:1
Average Power (CW)				1	KW
Waveguide Type		WR62			
Flange type		UG1665/U			
Material		Aluminum			
Finish	Inside	Chromate Conversion			
	Outside	Anticorrosion Grey Paint			

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Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-30℃~+70℃ (Case Temperature)
Storage Temperature	-50℃~+105℃
Thermal Shock	-30℃ → +70℃ (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85℃ 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 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]