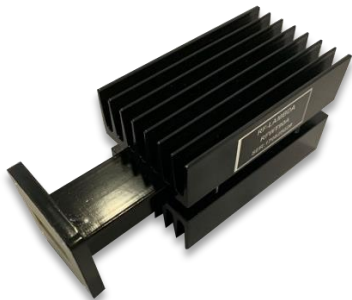


## WR90 Waveguide 50W High Power Termination 8.2 – 12.4GHz



**Features**

- High Power Handling: 50W
- Low VSWR

**Typical Applications**

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

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.20	:1
Average Power (CW)			50	W
Waveguide Type	WR90			
Flange type	CPRF, COVER			
Flange Holes	Through			
Basis-material	Alloyed Cuprum			
Finish	Inside	Silver Plated chromate or conversion		
	Outside	Body painted with gray / black epoxy enamel		

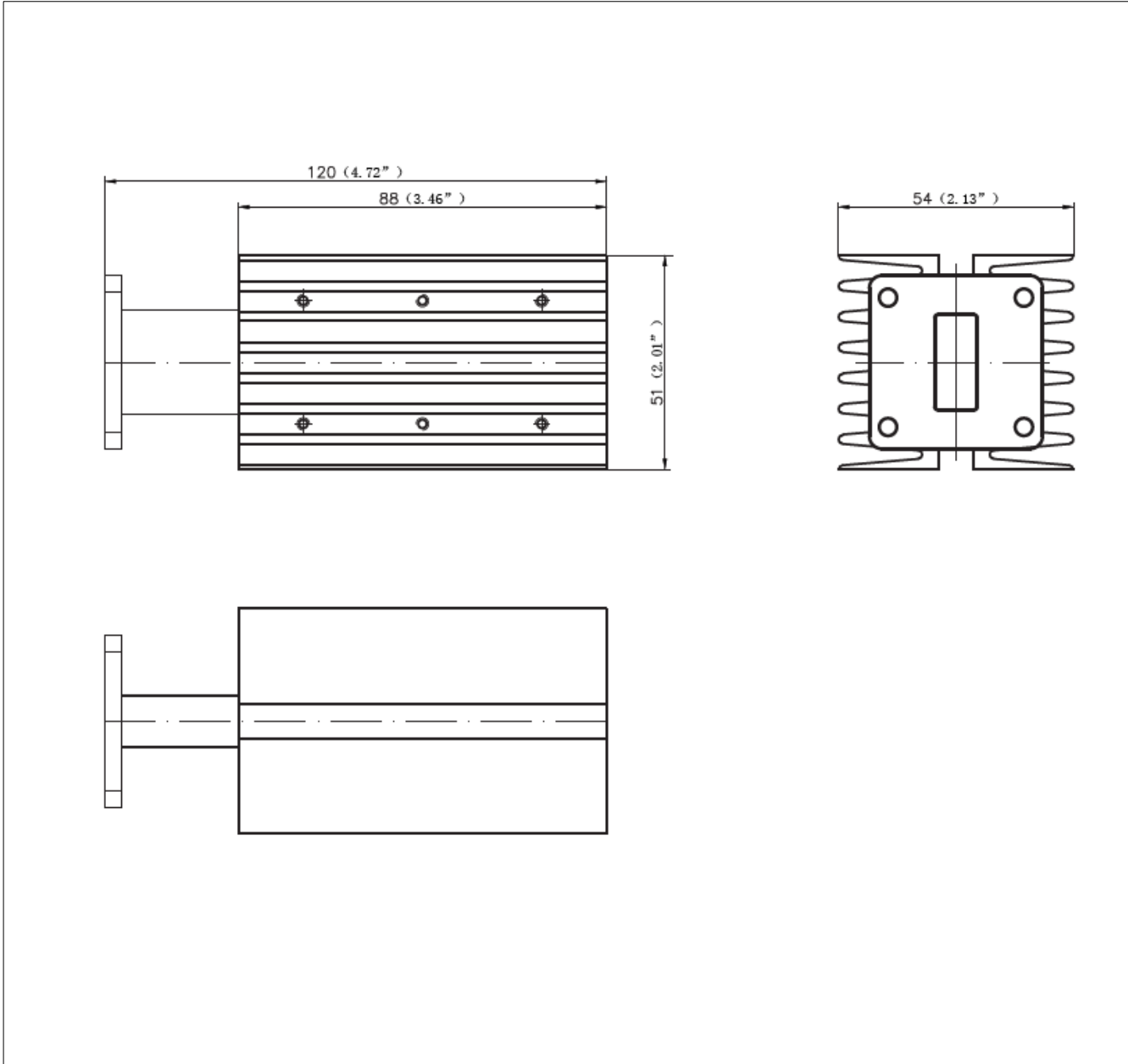
**WR90 Waveguide 50W High Power Termination 8.2 – 12.4GHz**

*Environmental Specifications and Test Standards*

Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+125°C
Thermal Shock	-40°C~+85°C (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°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 (For Hermetically Sealed Units)

**Outline Drawing:**

All Dimensions in mm (in)



**WR90 Waveguide 50W High Power Termination 8.2 – 12.4GHz**

**Important Notice**

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