

150W High Power Fixed Attenuator DC-12.4GHz



Features

- Low VSWR
- High Power

Typical Applications

- Microwave Signal Attenuation.
- Test and Measurement.
- Research and Development.

Electrical Specifications, 25°C

Part Number	Frequency Range	Attenuation (dB)	Attenuation Accuracy (dB)	VSWR	Power (CW)	Peak Power(KW)
RFS150G12R	DC-12.4GHz	3	+/-1.0	1.4	150	1
		6	-1.0/+2.5			
		10	-2.0/+1.0			
		20	-2.0/+2.0			
		30	-1.0/+1.5			
		40	-1.0/+3.0			
		50	-1.0/+0.75			

Mechanical Specifications

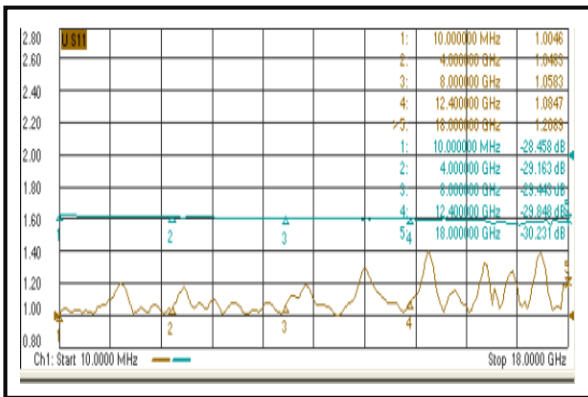
Weight	21.69 or 68.78 Ounces
Coaxial Connector	N (Male or Female)
Size	$\Phi 45\text{mm} \times 349\text{mm}$ $\Phi 1.77'' \times 15.51''$ $350 \times 90 \times 110\text{mm}$ $13.78'' \times 3.54'' \times 4.33''$
External Body Finish	Body painted Black epoxy enamel

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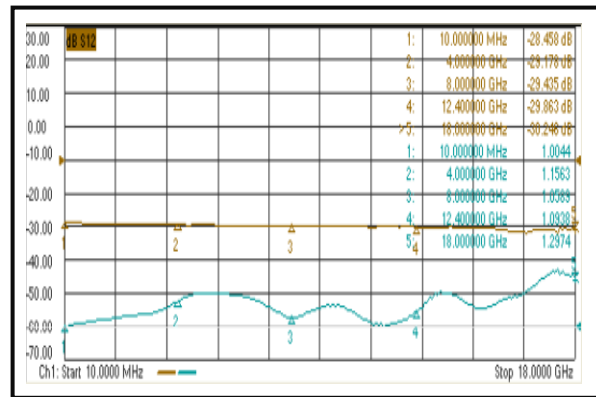
Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-55°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)

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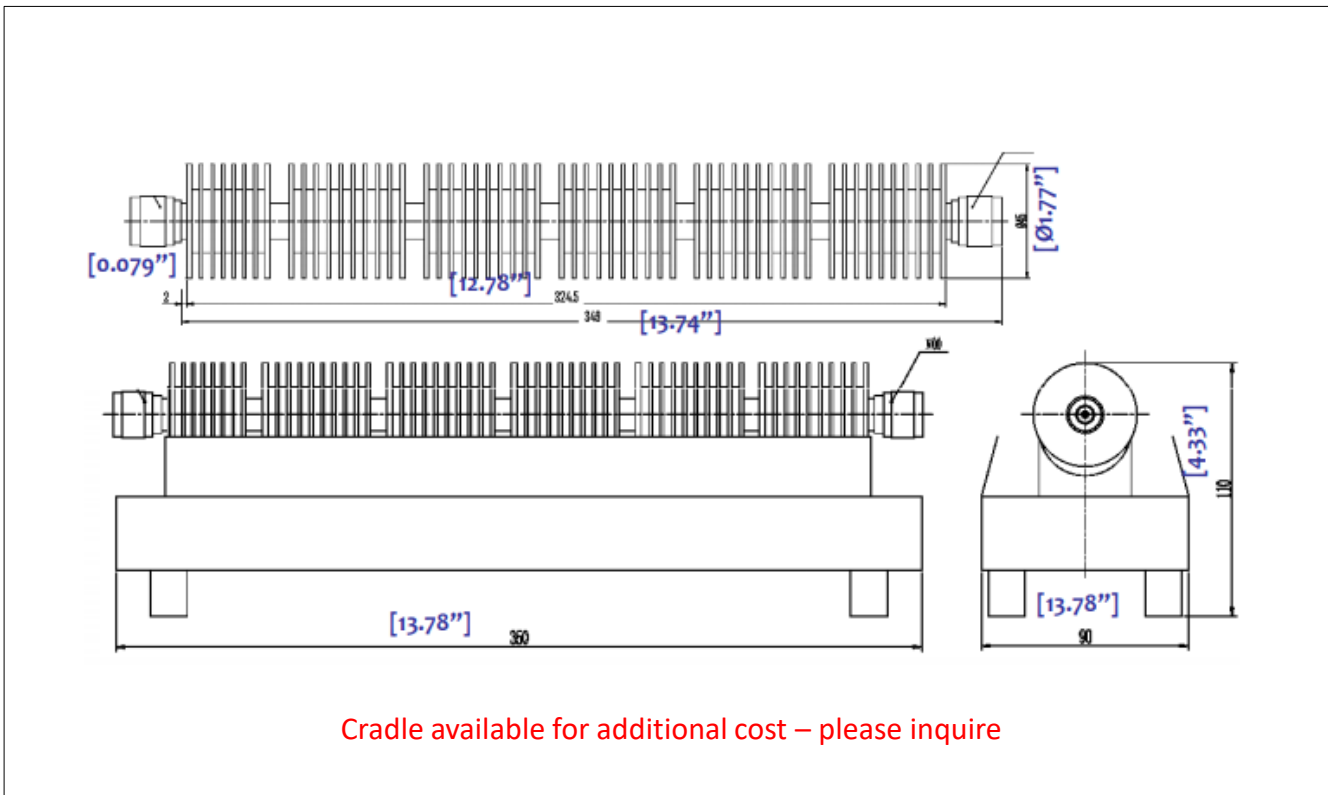


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Outline Drawing:

All Dimensions in mm [inches]



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