

10W COAXIAL FIXED ATTENUATOR



Features

- Coaxial Attenuator
- Low VSWR
- High Power

Typical Applications

- Test and Measurement.
- Wireless Infrastructure
- Military and Aerospace Applications

Electrical Specifications, 25°C

Part Number	Frequency Range	VSWR	Attenuation Accuracy (dB)						Power	Peak Power
			1-9	10	20	30	40	50		
RFS10G1A	DC-1GHz	1.10	±0.4	±0.4	±0.4	±0.5	±0.5	±0.75	10	1
RFS10G2A	DC-2GHz	1.15	±0.4	±0.4	±0.5	±0.5	±0.75	±1.0	10	1
RFS10G3A	DC-3GHz	1.20	±0.4	±0.4	±0.4	±0.5	/	/	10	0.5
RFS10G4A	DC-4GHz	1.25	±0.5	±0.6	±0.75	±0.75	±1.0	±1.5	10	1

Mechanical Specifications

Coaxial Connector	N or SMA(Male or Female)
Size	See Drawing
Finish	Body painted with gray/black epoxy enamel

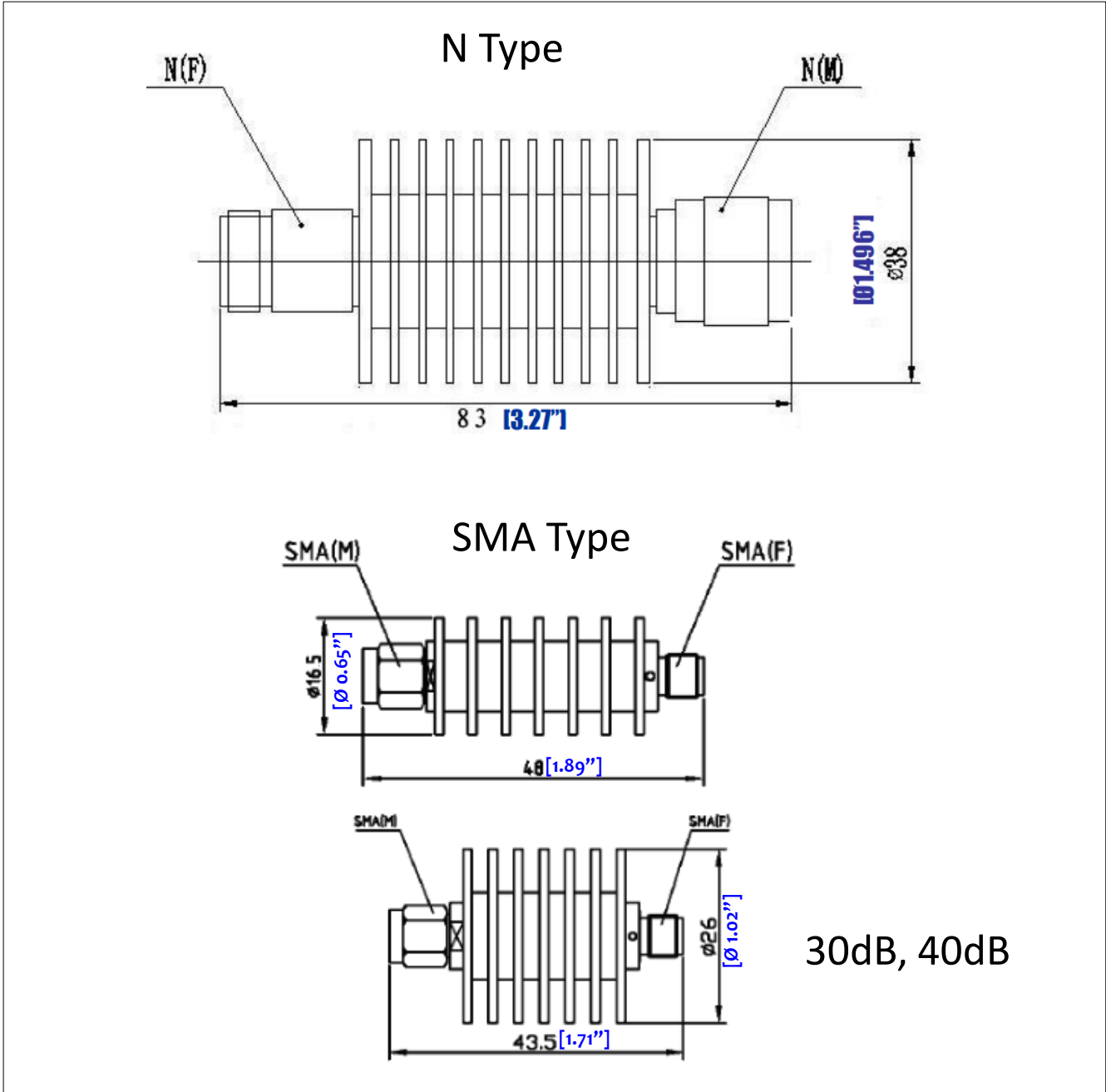
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Environmental Specifications and Test Standards

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)

Outline Drawing:

All Dimensions in mm [inches]



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