

2W Coaxial Fixed Attenuators DC – 4GHz



Note: Please refer to the outline drawing.

Features

- Wide frequency Band
- Low VSWR
- Multiple Attenuation Values Available

Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

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

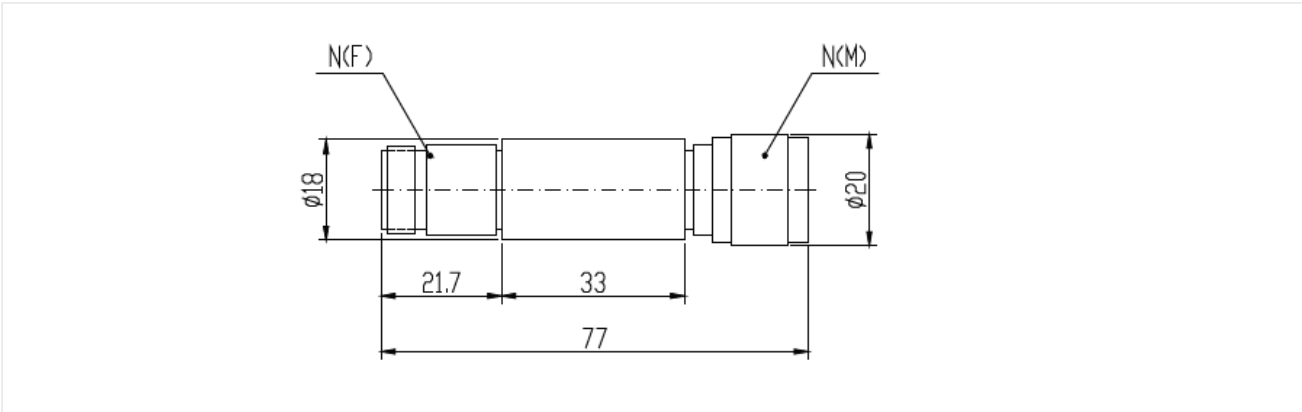
Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		4	GHz
VSWR				1.2	: 1
RFS2G04H01	Attenuation Value & Accuracy	1	± 0.3		dB
RFS2G04H03		3	± 0.3		
RFS2G04H06		6	± 0.3		
RFS2G04H10		10	± 0.3		
RFS2G04H20		20	± 0.4		
RFS2G04H30		30	± 0.4		
RFS2G04H40		40	± 0.5		
RFS2G04H50		50	± 0.5		
Average Power			2		W
Peak Power Handling (5 μ s pulse, 0.2% Duty Cycle)			0.5		KW
Weight			80		g
Impedance			50		Ω
Connector Type		N Male – N Female			
Dimensions		$\varnothing 20 \times 77\text{mm}$			

Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-55°C~+125°C (Case Temperature)
Storage Temperature	-55°C~+125°C
Thermal Shock	-55°C → +125°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 +125°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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