



2W Coaxial Fixed Attenuators DC – 8GHz



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		8	GHz
VSWR					1.2	:1
RFS2G08E01	Attenuation Value & Accuracy	1		-0.3 / +0.5		dB
RFS2G08E03		3		-0.3 / +0.5		
RFS2G08E06		6		-0.3 / +0.5		
RFS2G08E10		10		±0.3		
RFS2G08E20		20		±0.3		
RFS2G08E30		30		±0.3		
Average Power			2			W
Peak Power Handling (5µs pulse, 0.5% Duty Cycle)			0.5			KW
Weight			Type A: 10 Type B: 12			g
Impedance			50			Ω
Connector Type			SMA Male – SMA Female			
Dimensions			Type A: Ø10mm×30mm Type B: Ø10mm×37.2mm			

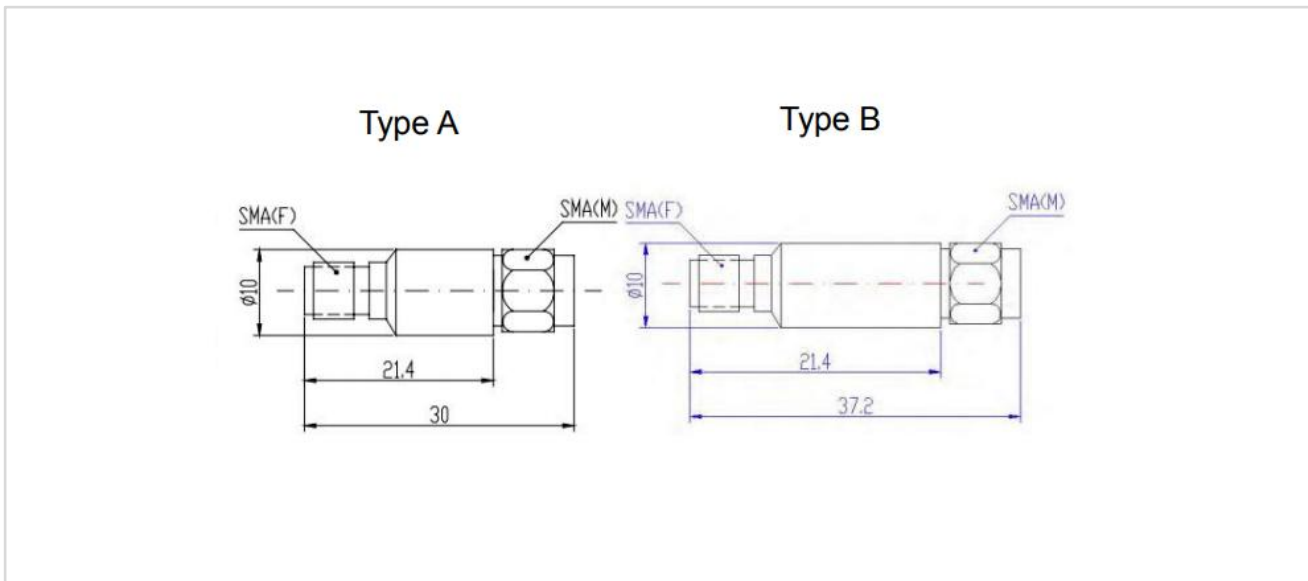


Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-55°C~+125°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & 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	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]



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