

5W Coaxial Fixed Attenuator DC-40GHz



Features

- Low VSWR
- High Power
- Optimized for Pulsed Applications

Typical Applications

- Microwave Signal Attenuation.
- Test and Measurement.
- Wireless Infrastructure.

Electrical Specifications, 25°C

Part Number	Frequency Range	Attenuation (dB)	Attenuation Accuracy (dB)	VSWR	IM ₃	Power (CW)	Peak Power(KW)
RFS5G40A	DC-40GHz	1, 2, 4, 5, 7, 8, 9	±1.0	1.35	-100dBc 3dB back off 1MHz step	5	0.2 (5μs pulse , 0.5% duty cycle)

Mechanical Specifications

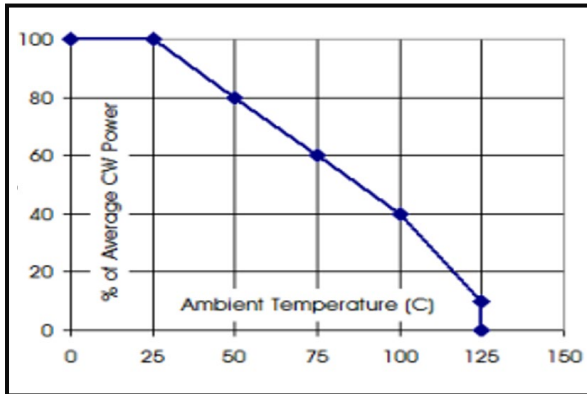
Weight	20g
Coaxial Connector	2.92mm (Male, Female)
Size	Ø38×31.4mm
External Body Finish	Body painted with Gray / Black epoxy enamel

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -40°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)

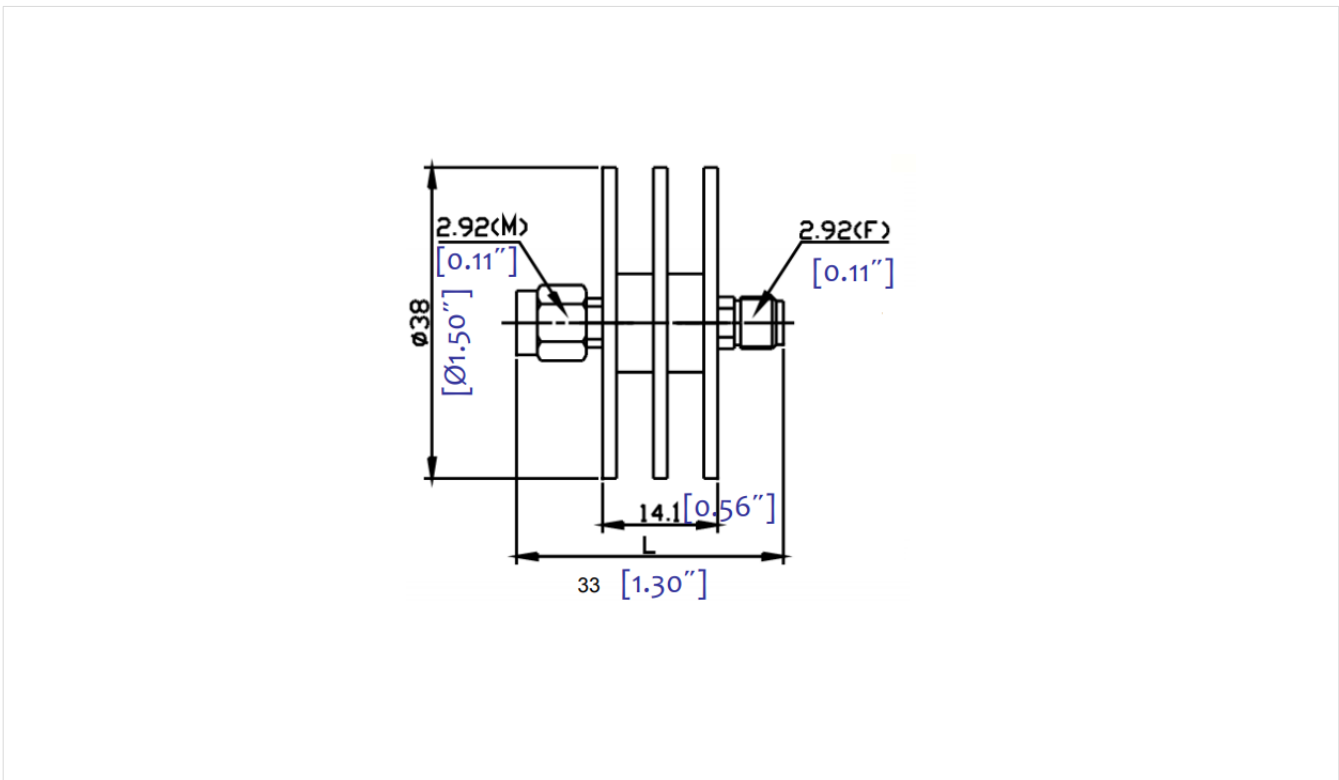
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Power Handling vs. Temperature Derating



Outline Drawing:

All Dimensions in mm [inches]



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