

2W Coaxial Termination DC-26.5GHz



Note: Photo is for illustration purposes only.
Please refer to the outline drawing.

Features

- Wide frequency Band
- Low VSWR

Product Description

RFST2G26 is a termination with a frequency range of DC to 26.5GHz.

The average power of the termination is 2W. The max VSWR of 1.40:1.

The working temperature of this product is between - 55°C and + 125°C.

Typical Applications

- Wireless Infrastructure
- Military and Aerospace Applications
- Test Instrumentation
- Radar Systems
- 5G Wireless Communications
- Microwave Radio Systems
- TR Modules
- Research and Development
- Cellular Base Stations

Electrical Specifications (T_A=+25°C)

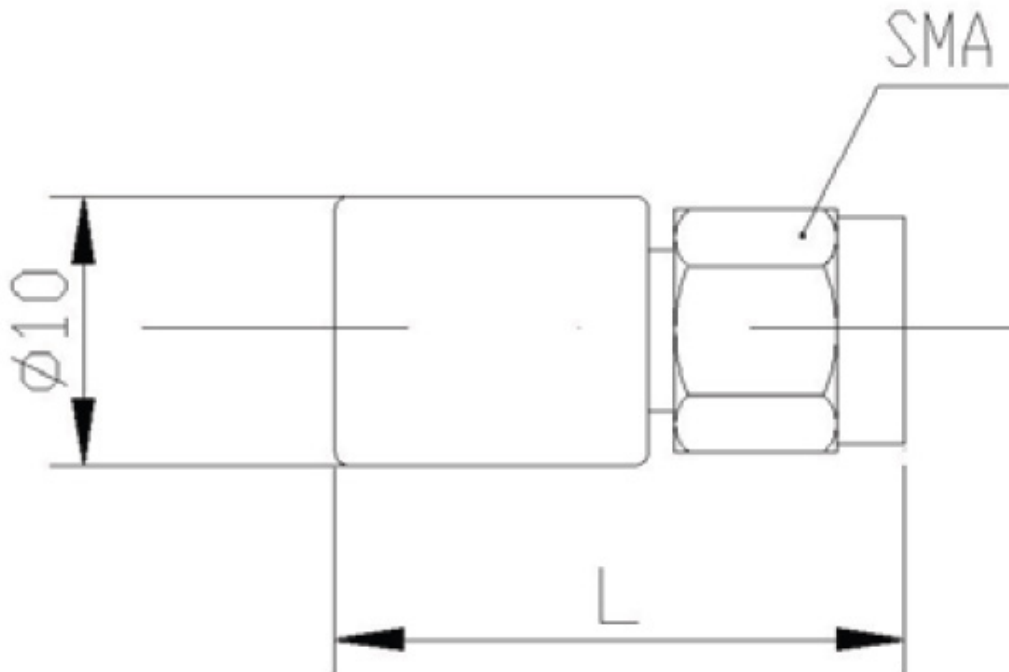
Parameter	Min	Typ	Max	Units
Frequency Range	DC		26.5	GHz
VSWR			1.40	: 1
Average Power	@25°C	2		W
	@125°C	0.2		
Peak Power		0.25		KW
Weight		0.01		lbs.
Impedance		50		Ω
Connectors		Brass Nickel Plated		
Male Pin		Brass Gold Plated		
Female Pin		Beryllium Copper Gold Plated		
Dimensions (<L>10xL mm)		SMA-Male:L=21.5		
		SMA-Female:L=20		
Connector Type		SMA(Male or Female)		
Package		Epoxy Sealed (Standard)		
		Hermetically Sealed (Optional)		

Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-55°C to +125°C (Case Temperature)
Storage Temperature	-55°C to +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 +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)

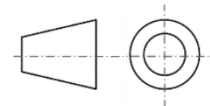
**For vibration testing details please see additional information section.

Outline Drawing



Notes:

1. Package Material: Aluminum
2. Finish: Body painted black epoxy enamel
3. All dimensions are in millimeters
4. SMA(F) L = 21.5 SMA (M) L = 20
5. Tolerances ± 0.25 [0.01] unless otherwise specified.



Additional Information

Documentation	Webpage
ESD Policy	https://rflambda.com/pdf/rflambda_esd_control.pdf
Connector Torque Specifications	https://www.rflambda.com/pdf/Torque_Specifications.pdf
Random Vibration Test Standard	https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf

Ordering Information

Part Number	Modification	Description
RFST2G26	SMA(Male or Female)	DC-26.5GHz Termination

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