



# RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

## RFST1G67VM

### Ultra Wide Band Termination 0.5W DC - 67GHz



#### Features

- Ultra Wide band operation
- Low VSWR

#### Typical Applications

- Aerospace and military applications
- Wireless Infrastructure
- Test and Measurement

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		67	GHz
VSWR			1.15	: 1
Input Power	0.5			W
Impedance	50			Ohms
Weight	0.35			ounces
Connector	1.85mm-Male			
Finish	Nickel Plated			

#### Environmental Specifications and Test Standards

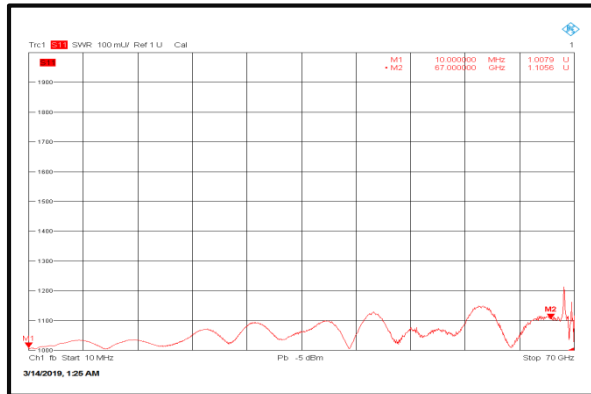
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 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	MIL-STD-883	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)

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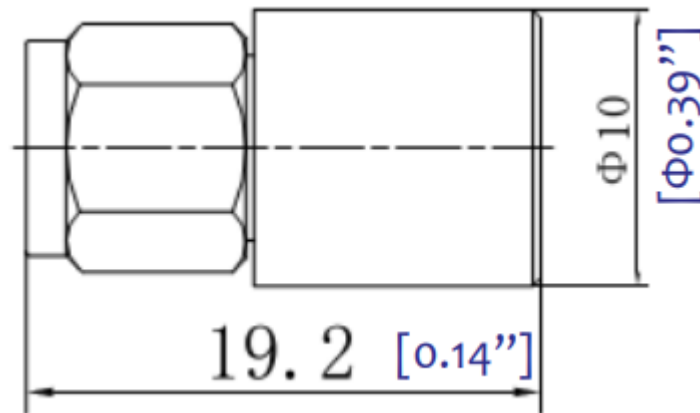
### Typical Performance Plots

#### VSWR



### Outline Drawing:

All Dimensions in mm [inches]



### Important Notice

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