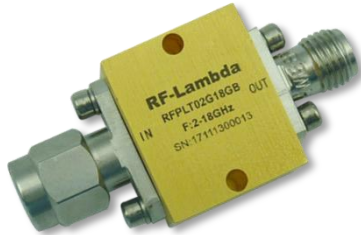




Narrow Band Power Limiter 5.39 – 5.49GHz



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



Features

- Narrow band Operation 5.39-5.49GHz
- Low Insertion Loss
- High Power Handling. Capability up to 6W
- Customization available upon request

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

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

Parameter	Min.	Typ.	Max.	Units
Frequency Range	5.39		5.49	GHz
CW Input Power			6	W
Peak Power :Pulse Width 1~20us Pulse Repeat Rate: 100Hz~1500Hz Off period between two pulse: 3ms			250	W
Insertion Loss		0.5	0.7	dB
VSWR		1.2	1.3	: 1
Flat Leakage		18	21	dBm
Peak Power Leakage			30	dBm
Weight	/			Ounces
Input / Output Connectors	(SMA - Female / SMA – Male) - Removable			
Material	Aluminum			
Finish	Gold Plated			

Narrow Band Power Limiter 5.39 – 5.49GHz



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		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)



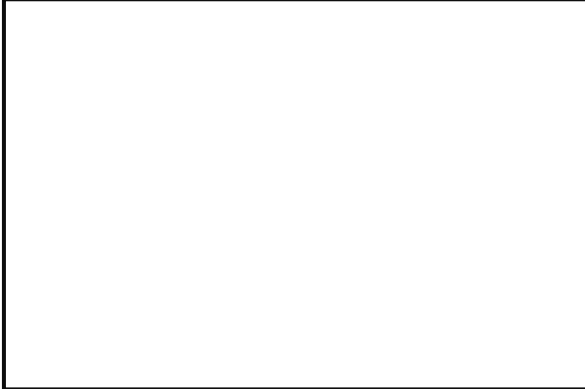
RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

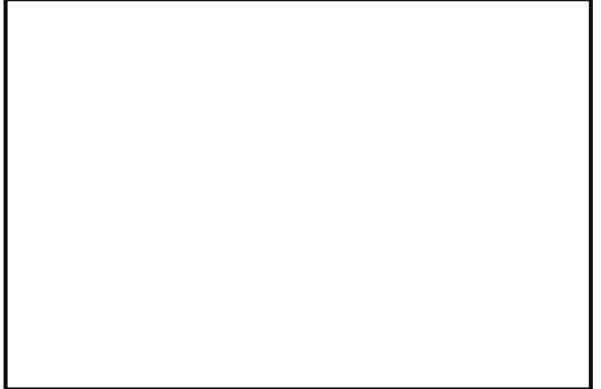
RFPLT06G06G

Typical Performance Plots

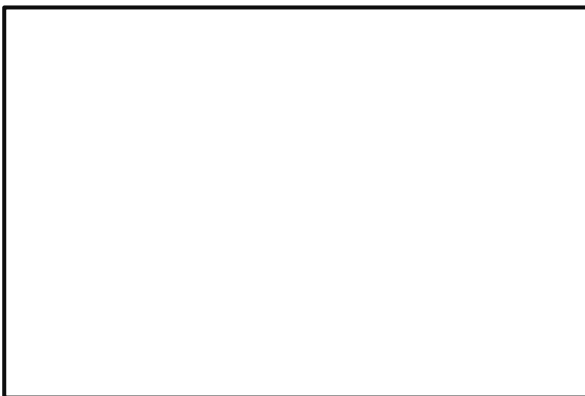
Insertion Loss @+25°C



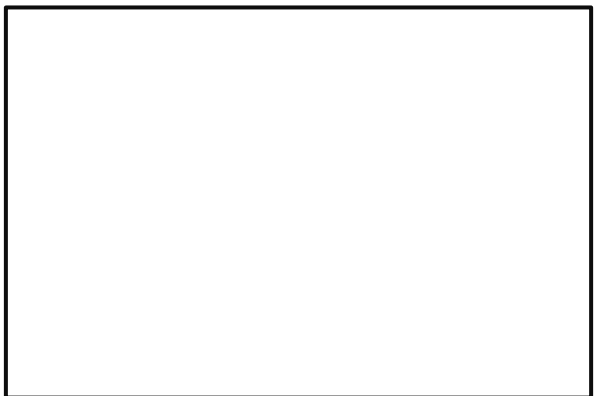
Input VSWR @+25°C



Output VSWR @+25°C



Insertion Loss @-45°C



Input VSWR @-45°C



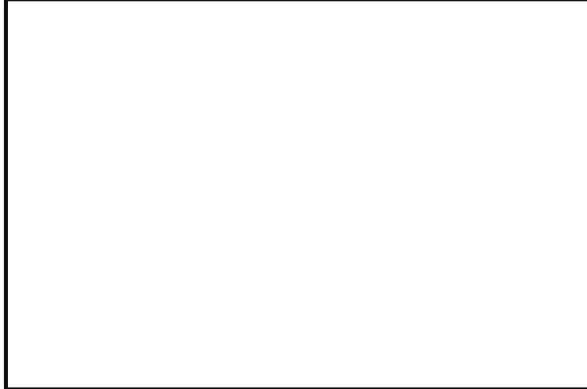
Output VSWR @-45°C



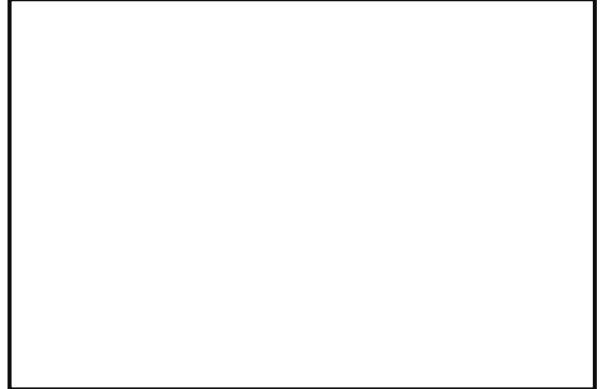
Narrow Band Power Limiter 5.39 – 5.49GHz



Insertion Loss @+85°C



Input VSWR @+85°C



Output VSWR @+85°C



Flat Leakage Power



Recovery Time



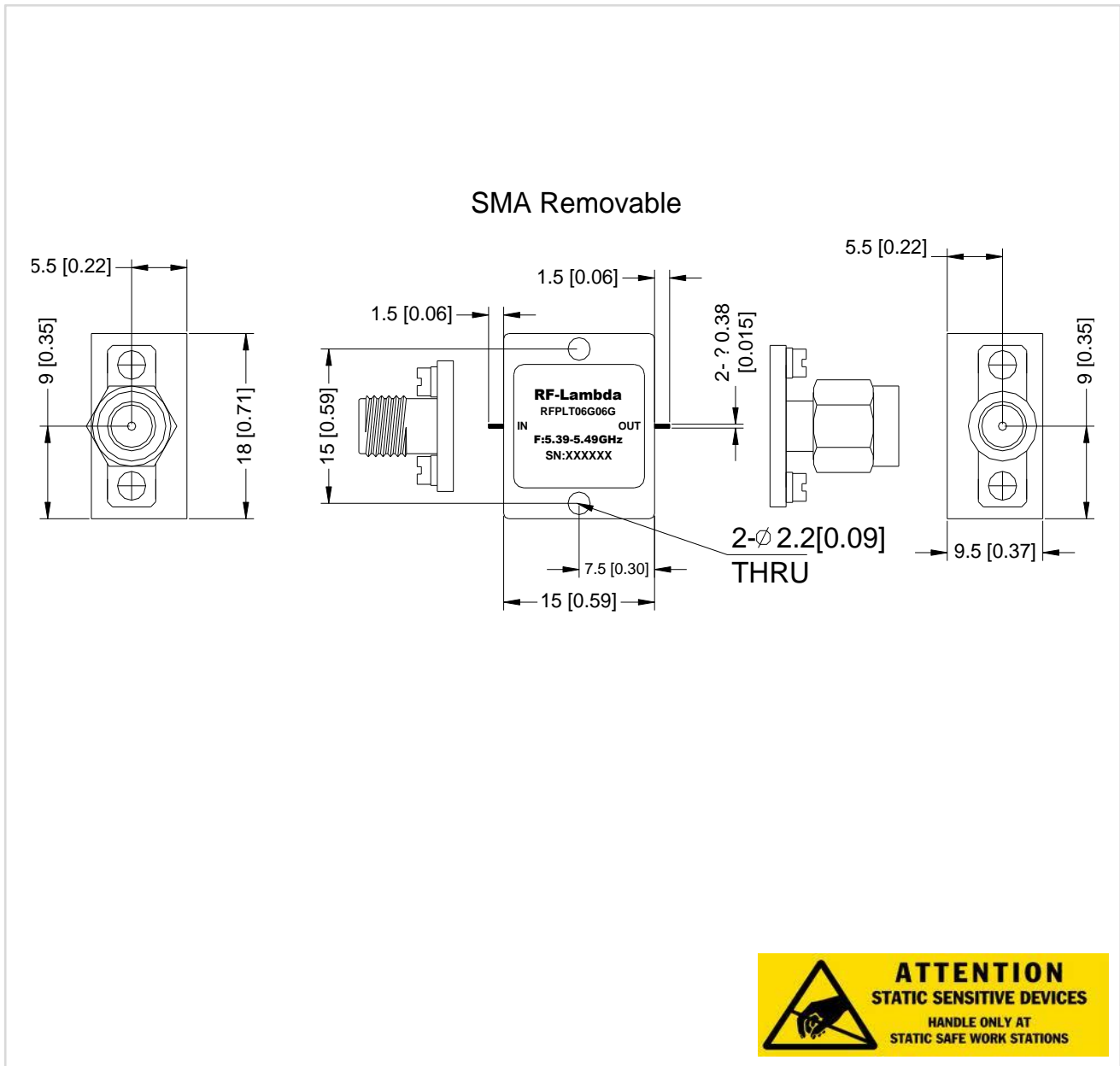
Narrow Band Power Limiter 5.39 – 5.49GHz



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.1 [0.004]



Narrow Band Power Limiter 5.39 – 5.49GHz

Important Notice

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