



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFPLT00M06G

100W Wide Band Power Limiter 0.05 - 6GHz

Features

- Wide Band Operation 0.05-6GHz
- Passive, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handling Capability up to 100W
- Customization available upon request



Electrical Specifications, T_A=25 °C

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.05-1			1-6			GHz
Incident Power, CW, 50Ω, 25 °C			80			80	W
Incident Power, CW, 50Ω, 85 °C			65			65	W
Incident Power, Pulsed (PW = 10μs, DC = 10%), 50, 85 °C			100			100	W
Insertion Loss		0.9			1.8		dB
VSWR		1.5			2		: 1
Flat Leakage at PIN > 30 dBm		17			16.5		dBm
Peak Power Leakage		18			18		dBm
Weight	/						ounces
Input / Output Connectors	SMA-Female						
Material	Aluminum						
Finish	Gold Plated						

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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)



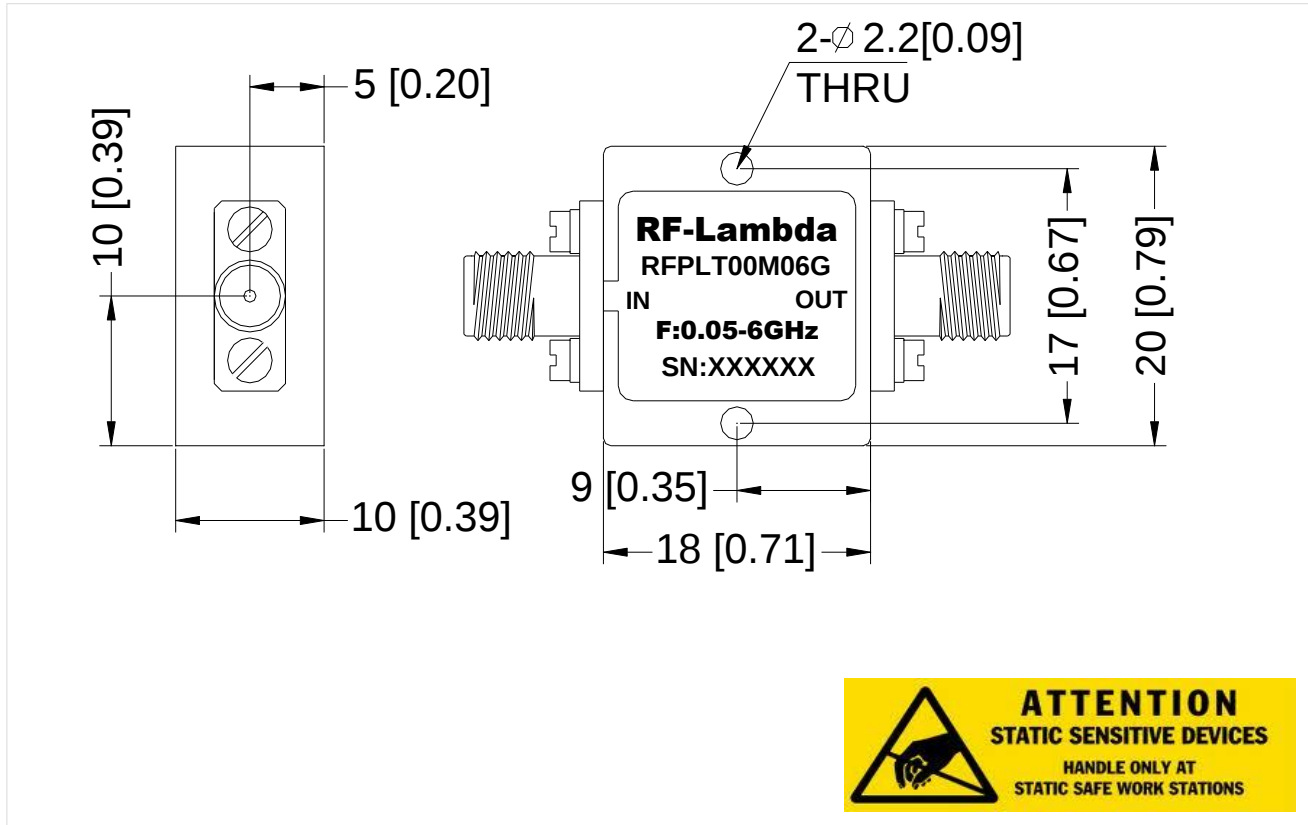
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Outline Drawing:

All Dimensions in mm [inches] Tolerance ± 0.1 [0.004]



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