

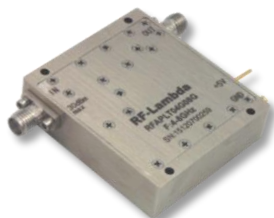


# RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

## RFAPLT01G40G

### Input Over Drive Front End Protector 1 - 40GHz



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



#### Features

- Wide Band High Isolation Limiter
- Low Insertion Loss.
- High Power Handling Capability.

#### Typical Applications

- Military and Aerospace
- Test and Measurement
- Wireless Infrastructure

#### Electrical Specifications, $T_A=25^\circ\text{C}$ , $V_{CC}=+5\text{V}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	1		40	GHz
CW Input Power		23	25	dBm
Peak Power(<5% <1us)		1		W
Insertion Loss		3.5	4.0	dB
VSWR		1.8	2.0	: 1
Flat Leakage @ Pin (-20dBm Trigger +23dBm max. )		-17	-10	dBm
Supply Current ( $V_{CC} = +5\text{V}$ )		260	300	mA
Weight	1.76			ounces
Input / Output Connectors	2.92mm - Female			
Material	Aluminum			
Finish	Nickel Plated			

Input Over Drive Front End Protector 1 - 40GHz



*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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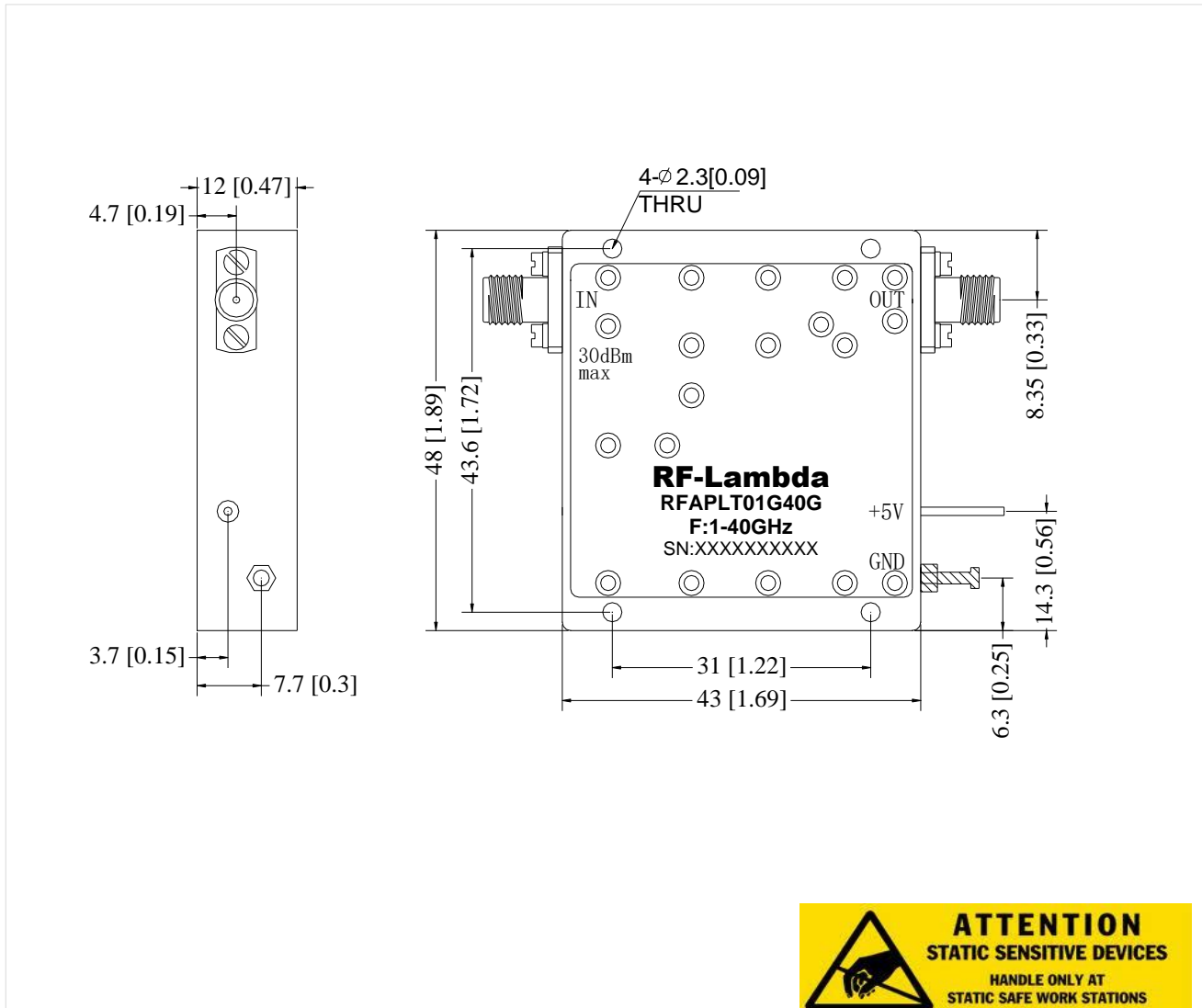
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### Outline Drawing:

All Dimensions in mm [inches]

Tolerance  $\pm 0.1$  [0.0039]



### Important Notice

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