

Input Over Drive Front End Protector 60 - 512MHz



Features

- Wide Band operation 60 - 512MHz
- Active, High Isolation Limiter
- High Power Handling Capability up to 10W
- Customization available upon request

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

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

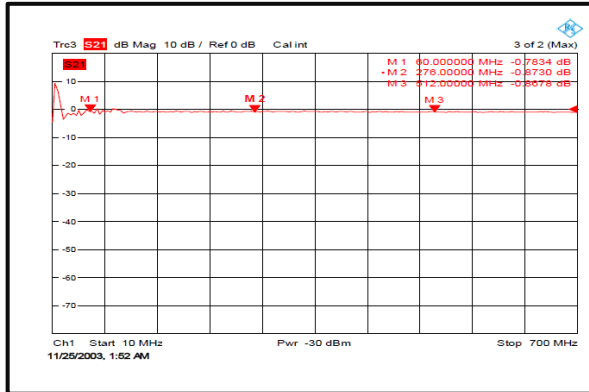
Parameters	Min.	Typ.	Max.	Units
Frequency Range	60		512	MHz
CW Input Power			10	W
Insertion Loss		0.8	1.2	dB
VSWR		1.5	2.0	: 1
Flat Leakage			-20	dBm
Input / Output Connectors	SMA - Female			
Material	Aluminum			
Finish	Oxidation			

Environmental Specifications and Test Standards

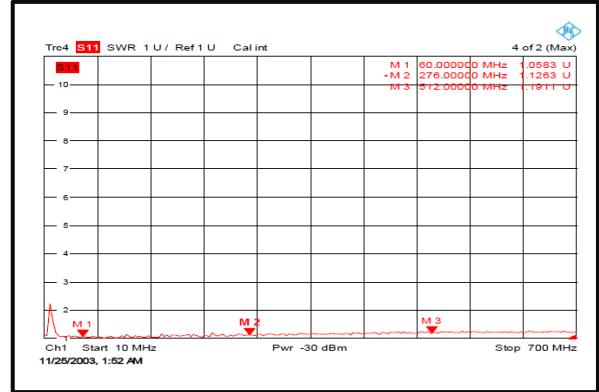
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
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 (For Hermetically Sealed Units)

Typical Performance Plots

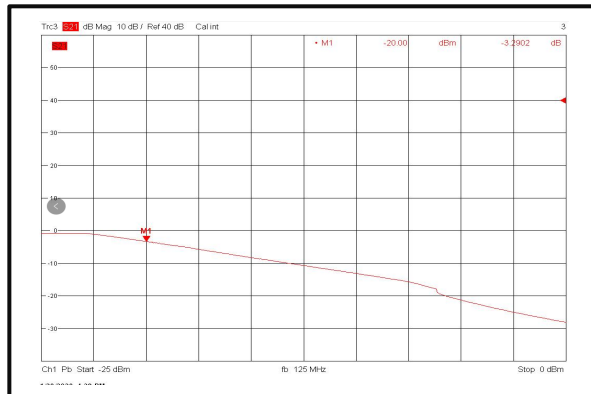
Insertion Loss



Input VSWR



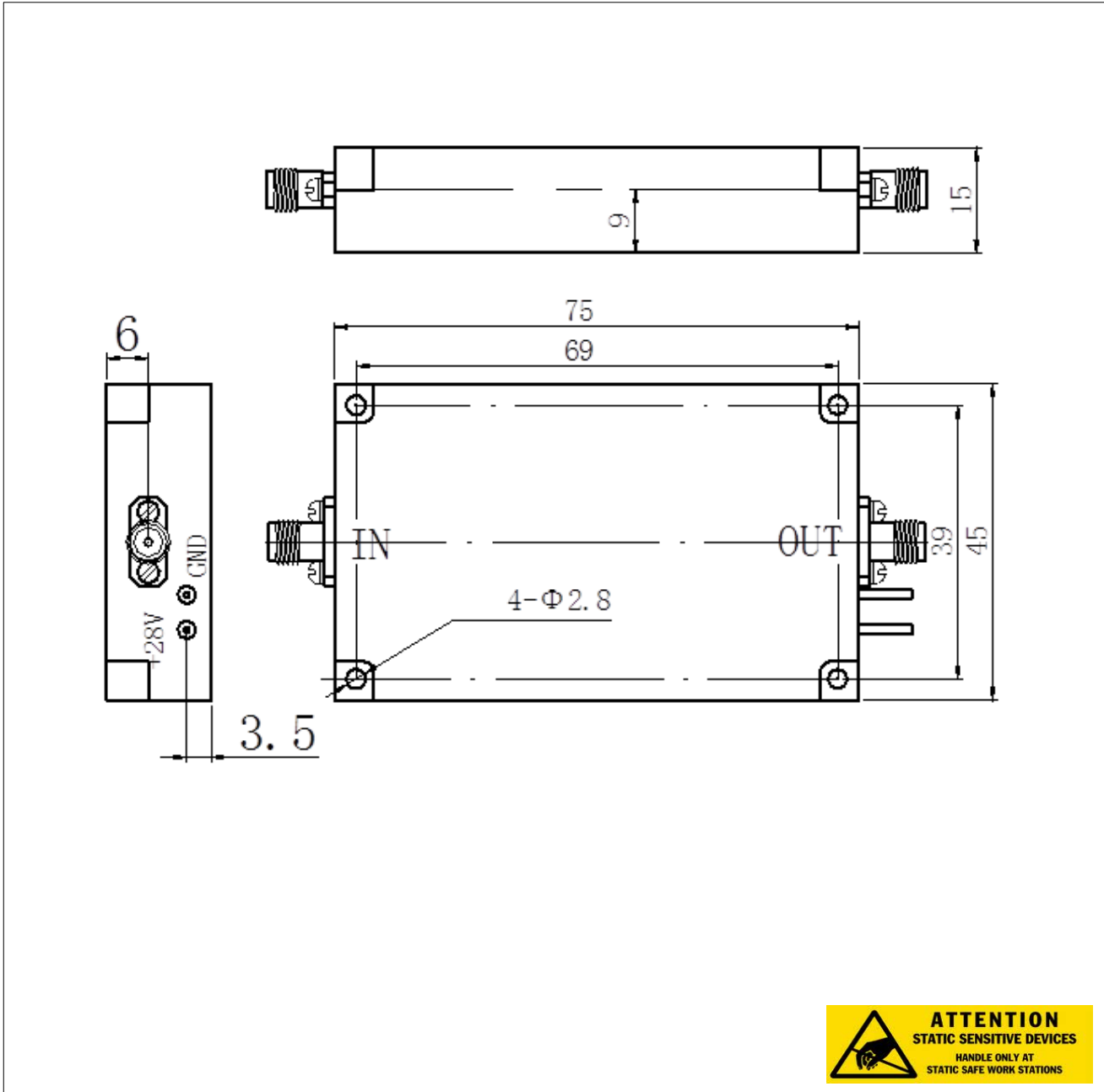
Loss vs. Input Power



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Outline Drawing:

All Dimensions in mm



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