

The most important thing we build is trust

Description

This high reliability S-band 'Drop-in' limiter module features a weight and space saving design. By utilising Cobham Sensor Systems GMIC (Glass Microwave Integrated Circuit) Technology, integration applications can benefit from both small feature size and high performance.

This design has low insertion loss and high power handling capability, essential parameters for limiter applications.

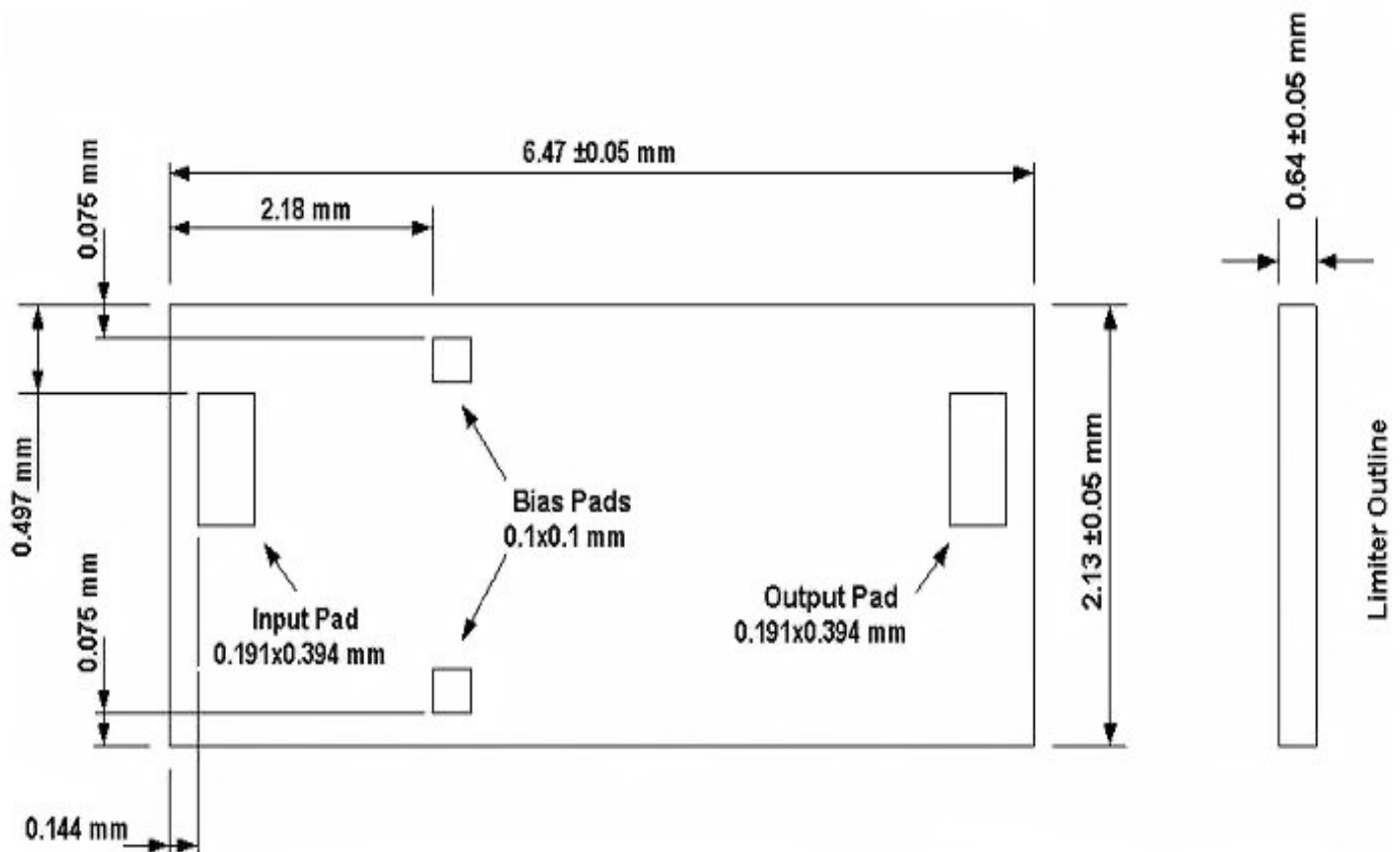
The same concepts can be applied to your particular integration needs. Please contact the factory for details.

Features

- High Reliability
- Designed for integrated applications
- Weight and space saving design
- High power handling
- Low insertion loss
- European Manufacture.

Mechanical Representation

Uncovered microwave circuit for hermetically sealed integrated applications.



MALIML0024

S-Band 'Drop-in' Limiter Module

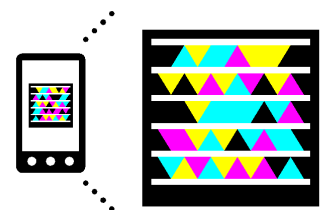
2011 Data Sheet v1



RF Performance

| Parameter | Value | | | Units |
|---|-------|------|-------|-------|
| | Min. | typ. | Max. | |
| Frequency Band | 2.7 | | 3.8 | GHz |
| Operating Temperature T _{op} | -10 | | +65 | °C |
| Insertion Loss (Pin ≤ -10 dBm) | | 0.3 | 0.5 | dB |
| Isolation | 35 | | | dB |
| Peak Input Power (pulsed) | | | 100 | W |
| Output Flat Leakage (CW and Pulse) | | | +19 | dBm |
| Spike Leakage (RF rise time ≥ 15ns) | | | 10 | nJ |
| Recovery time, Normal Operating (To within 3dB of I/L 5W at input power test conditions) | | | 500 | ns |
| Input VSWR (Pin ≤ -10 dBm) | | | 1.5:1 | Ratio |
| Output VSWR (Pin ≤ -10 dBm) | | | 1.5:1 | Ratio |

(Applies over the frequency range @ +25°C, output and input load impedance of 50 ohms. Unless otherwise stated limits & conditions are indicated values.)



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