

**SMA Limiter High Power 40 ns Recovery With
 13 dBm Flat Leakage Operating From 2 GHz to 8 GHz**

SML-0208-05-13-SMA is a High Power Limiter that operates from 2 GHz to 8 GHz. The Limiter handles 5 W CW Power and operates from -55 Deg C to + 85 Deg C.



Electrical Specifications

Description	Min	Typ	Max	Unit
Frequency Range	2		8	GHz
Insertion Loss @Pin=-20 dBm		1		dB
Input VSWR			2:1	
Leakage (CW) @ 5 Watt CW			+13	dBm
Recovery Time			40	ns
Input Power (CW) Derated by 20% @ +125°C			5	Watt
Input Power (Peak) @1us pulse, 0.1% Duty Cycle			100	Watt

Electrical Specification Notes:
 Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width	1 in [25.4 mm]
Height	0.4 in [10.16 mm]

Configuration

Style	High Power Limiter
Connector 1	SMA Female
Connector 2	SMA Female

Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C
Storage Range	-65 to +125 deg C
Humidity	MIL-STD-202F, METHOD 103B COND. B
Shock	MIL-STD-202F, METHOD 213B COND. B
Vibration	MIL-STD-202F, METHOD 204D COND. B
Altitude	MIL-STD-202F, METHOD 105C COND, B
Temperature Cycle	MIL-STD-202F, METHOD 107D COND, A
Fungus	MIL-STD-810F, METHOD 508.5
Salt Fog	MIL-STD-202F, METHOD 101D+EST Cond.B
ESD Sensitivity	Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



Features:

- High Speed 5 Watt CW Limit
- 2 GHz to 8 GHz Frequency Range
- Peak Power 5 Watts CW
- Insertion Loss 1.0 dB Typ
- Leakage Power +13 dBm Max
- High Power Handling

Applications:

- Electronic Warfare
- Test & Measurement
- Military & Space
- Military Communication Systems
- Stabilizing generator outputs
- Reducing amplitude variations
- Protects low noise amplifiers and other devices from ESD or input power damage
- Receiver Protection
- Weapon systems

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Compliance Certifications (visit www.FairviewMicrowave.com for current document)
 Not RoHS Compliant

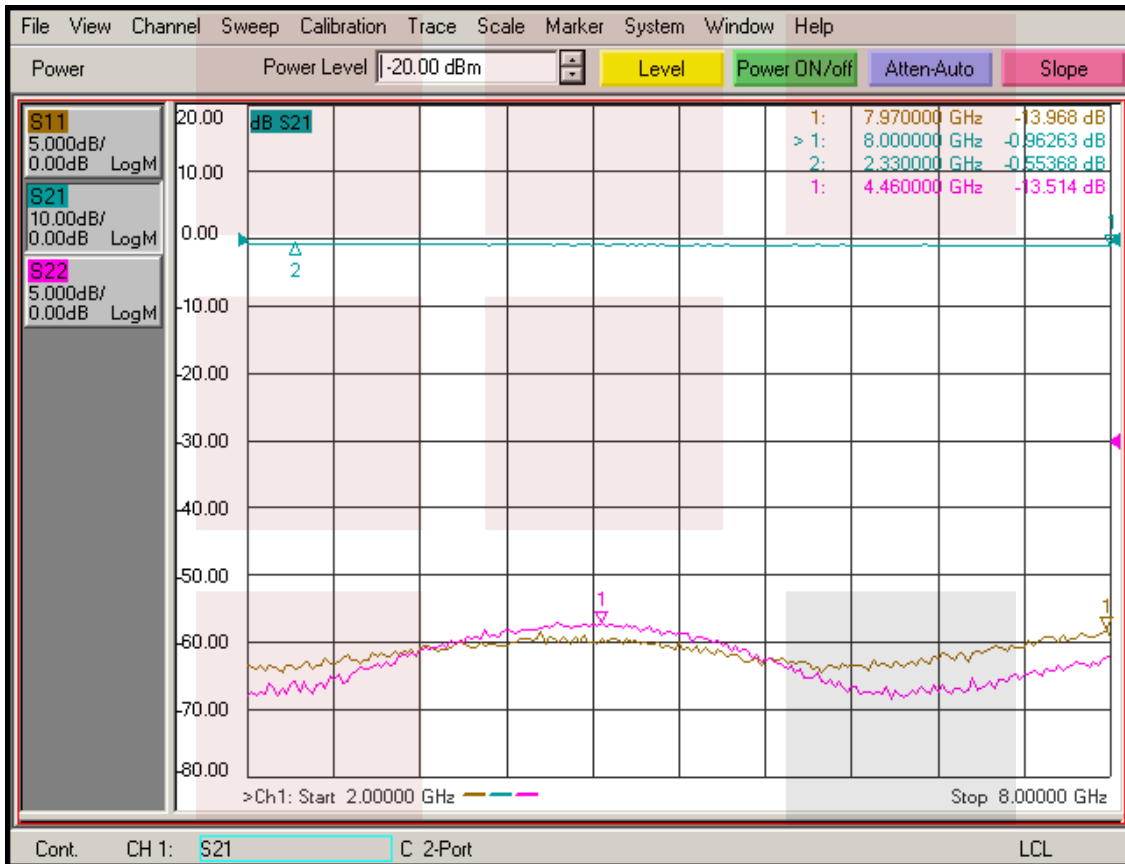
Plotted and Other Data

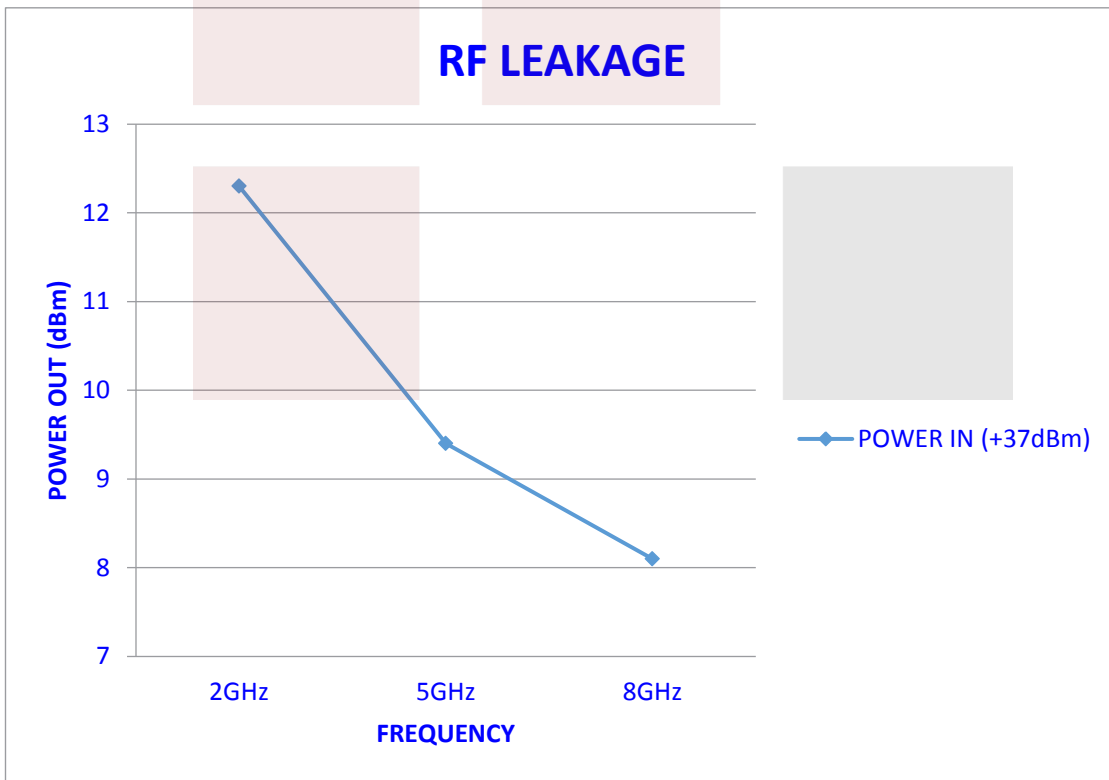
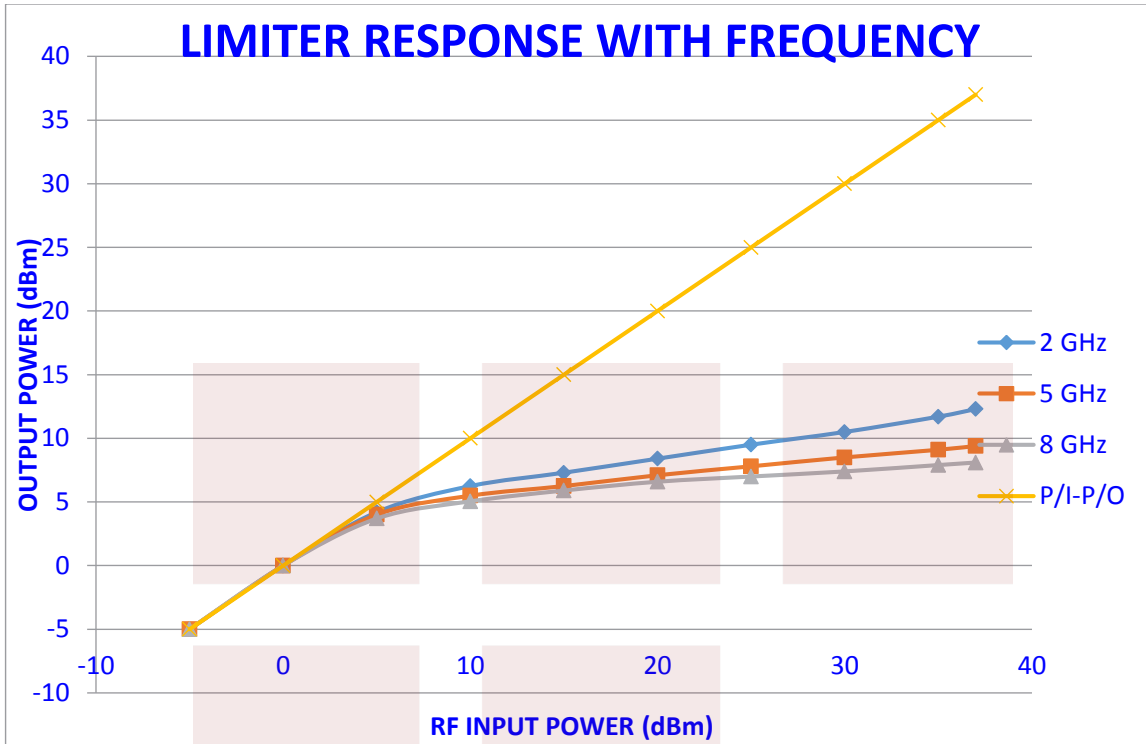
Notes:

- Values at 25°C, sea level.

Typical Performance Data

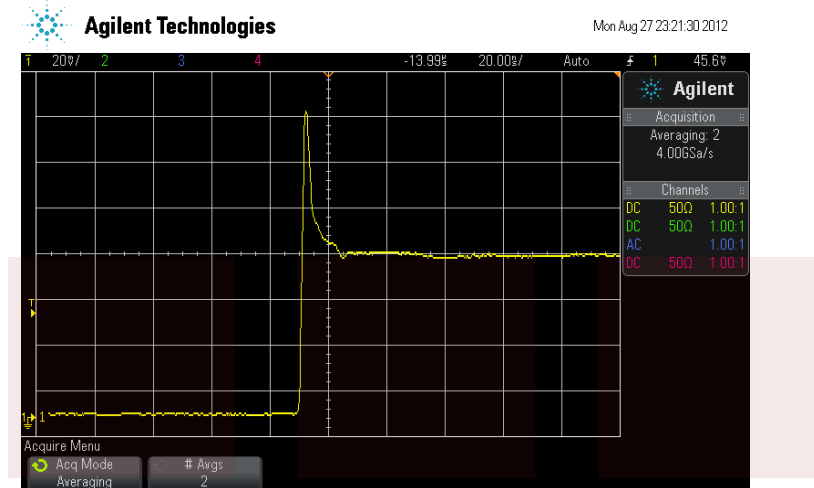
INSERTION LOSS & RETURN LOSS @ -20dBm IN



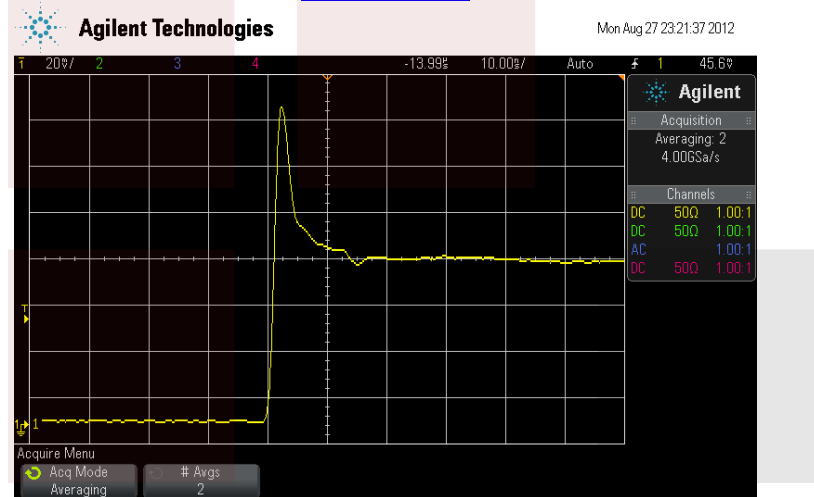


RECOVERY TIME

20ns per Div.



10ns per Div.

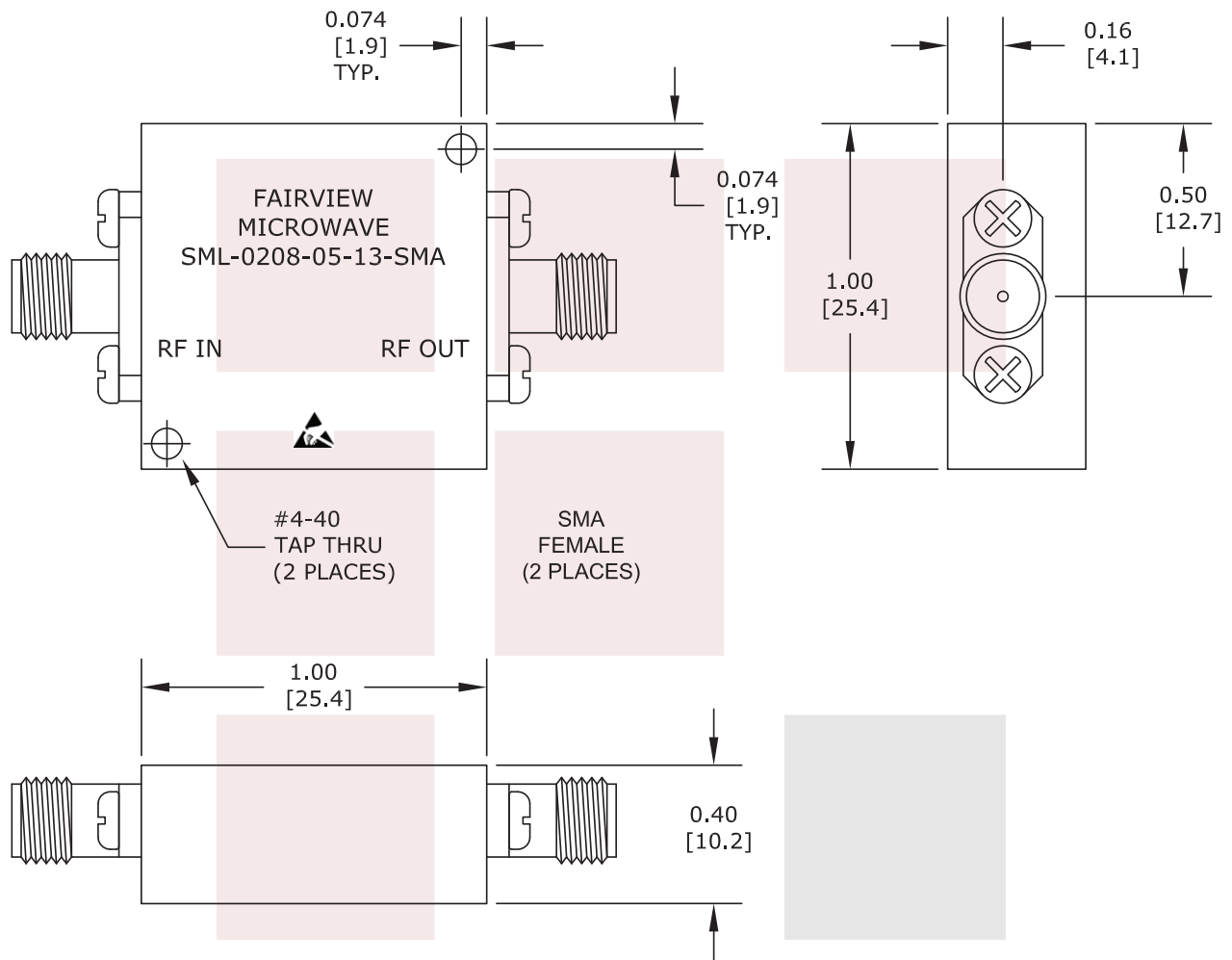


SMA Limiter High Power 40 ns Recovery With 13 dBm Flat Leakage Operating From 2 GHz to 8 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Limiter High Power 40 ns Recovery With 13 dBm Flat Leakage Operating From 2 GHz to 8 GHz SML-0208-05-13-SMA](#)

URL: <http://www.fairviewmicrowave.com/sma-limiter-high-power-40-ns-8-ghz-sml-0208-05-13-sma-p.aspx>

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TITLE SMA Limiter High Power 40 ns Recovery With 13 dBm Flat Leakage Operating From 2 GHz to 8 GHz		DWG NO SML-0208-05-13-SMA		CAGE CODE 3FKR5	
CAD FILE 043015 SHEET		SCALE N/A		SIZE A 2233	