

**SMA Limiter High Power 12 ns Recovery With
 15 dBm Flat Leakage Operating From 6 GHz to
 18 GHz**

SML-0618-10-15-SMA is a High Power Limiter that operates from 6 GHz to 18 GHz. The Limiter handles 10 W CW Power and operates from -55 Deg C to + 85 Deg C.

Electrical Specifications (Values at +25°C, sea level)

Description	Min	Typ	Max	Unit
Frequency Range	6		18	GHz
Insertion Loss		2.5		dB
Leakage @ 10 Watt CW		+15		dBm
Recovery Time			12	ns
Input Power (CW)			10	Watt
Input Power (Peak) @1us pulse, 0.1% Duty Cycle			100	Watt

Configuration

Style High Power Limiter
 Connectors SMA Female to SMA Female

Mechanical Specifications

Size
 Length 1 in [25.4 mm]
 Width 1 in [25.4 mm]
 Height 0.5 in [12.7 mm]
 Weight 0.033 lbs [14.97 g]

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

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Not RoHS Compliant

Plotted and Other Data

Notes:
 • Values at +25 °C, sea level



Features:

- High Speed 10 Watt CW Limit
- 6 GHz to 18 GHz Frequency Range
- Peak Power 10 Watts CW
- Insertion Loss 2.5 dB Typ
- Leakage Power +15 dBm Typ
- High Power Handling

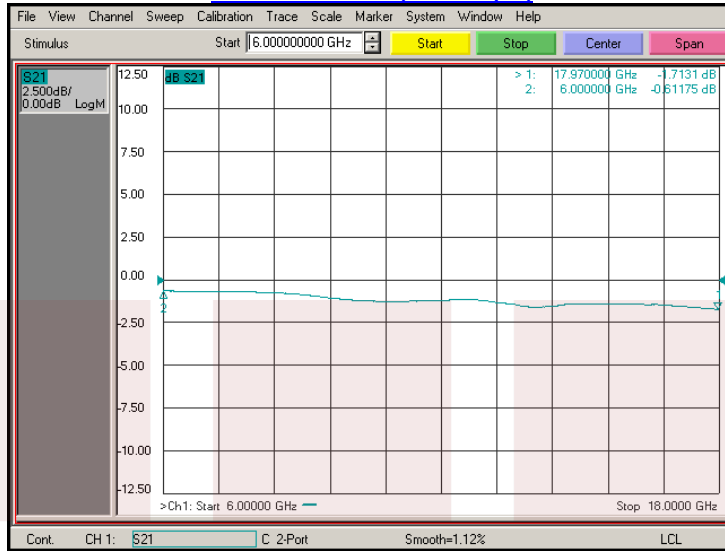
Applications:

- 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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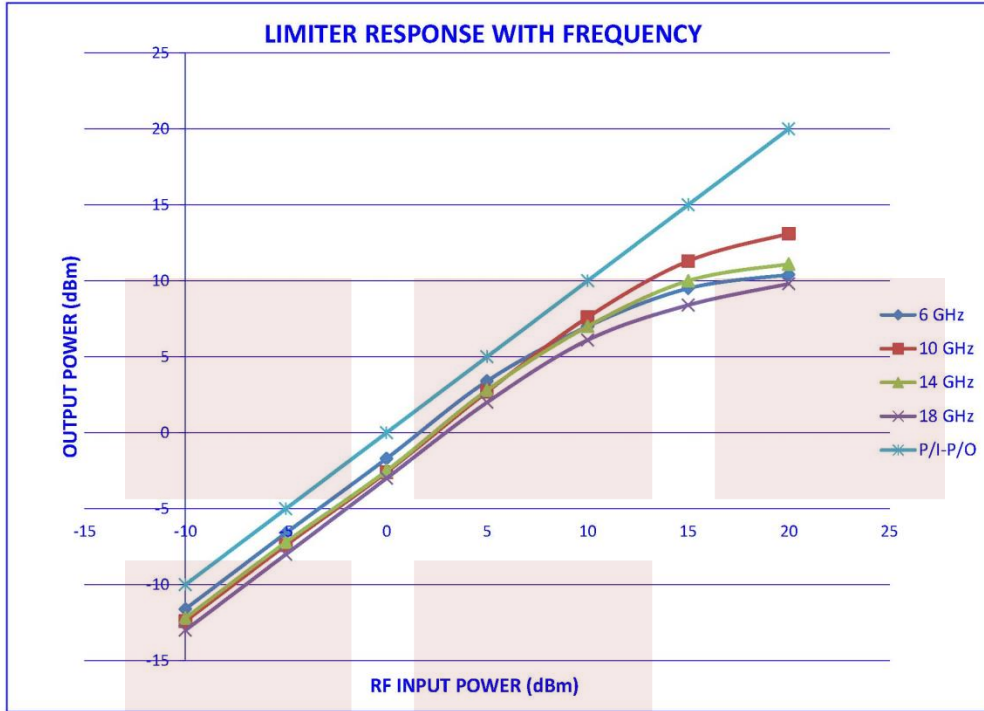
Typical Performance Data

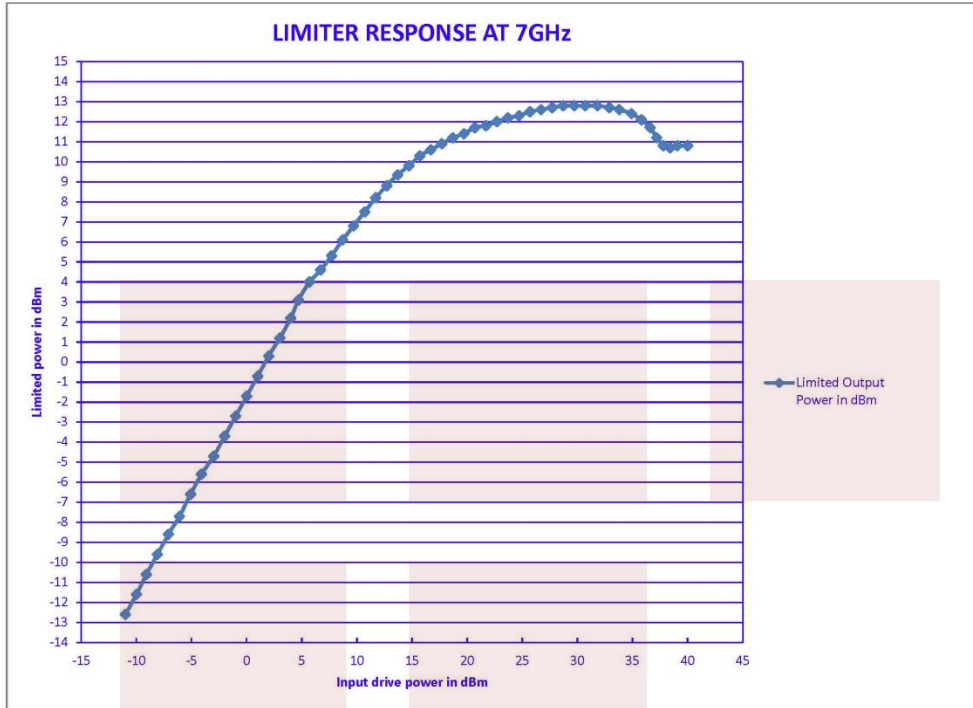
Insertion Loss S21 (0 dBm Input)



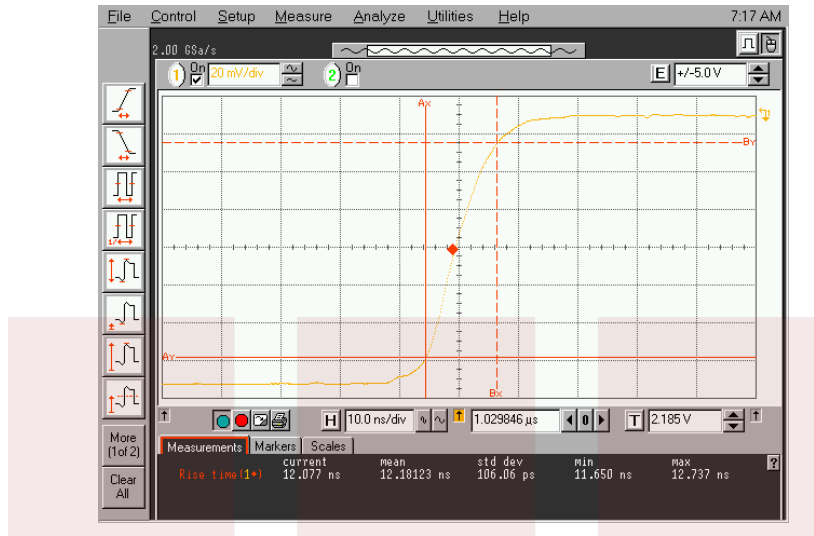
Return Loss S11 & S22 (0 dBm Input)



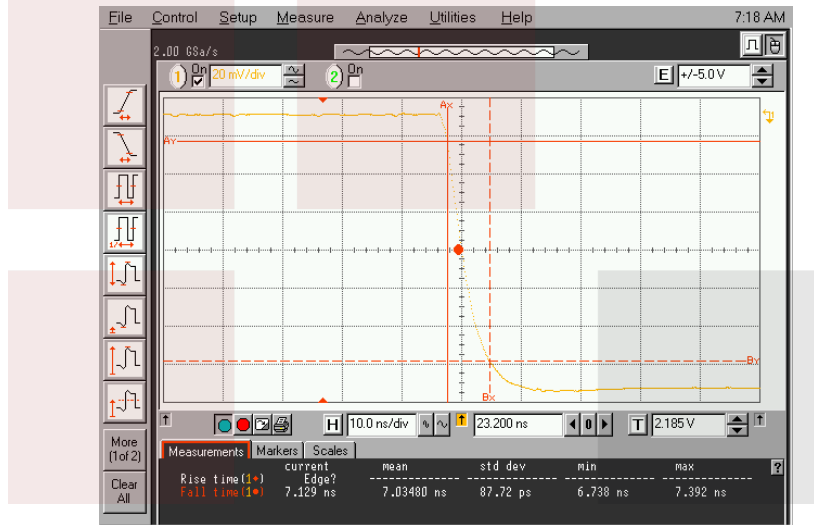




Recovery Time



Rise Time

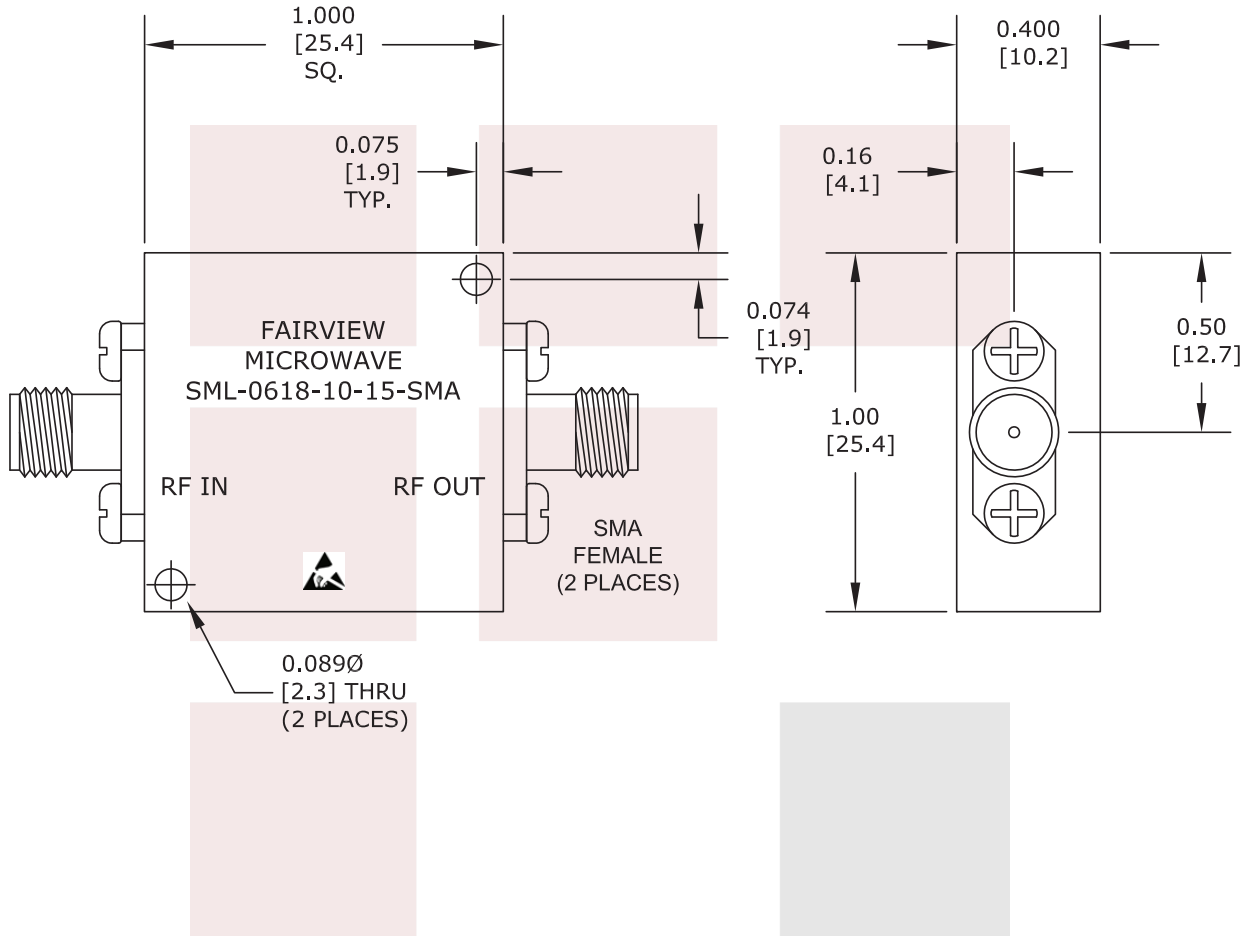


SMA Limiter High Power 12 ns Recovery With 15 dBm Flat Leakage Operating From 6 GHz to 18 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Limiter High Power 12 ns Recovery With 15 dBm Flat Leakage Operating From 6 GHz to 18 GHz SML-0618-10-15-SMA](http://www.fairviewmicrowave.com/sma-limiter-high-power-12-ns-18-ghz-sml-0618-10-15-sma)

URL: <http://www.fairviewmicrowave.com/sma-limiter-high-power-12-ns-18-ghz-sml-0618-10-15-sma-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE SMA Limiter High Power 12 ns Recovery With 15 dBm Flat Leakage Operating From 6 GHz to 18 GHz		DWG NO SML-0618-10-15-SMA		CAGE CODE 3FKR5	
CAD FILE 082014 SHEET		SCALE N/A		SIZE A 2233	