

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:

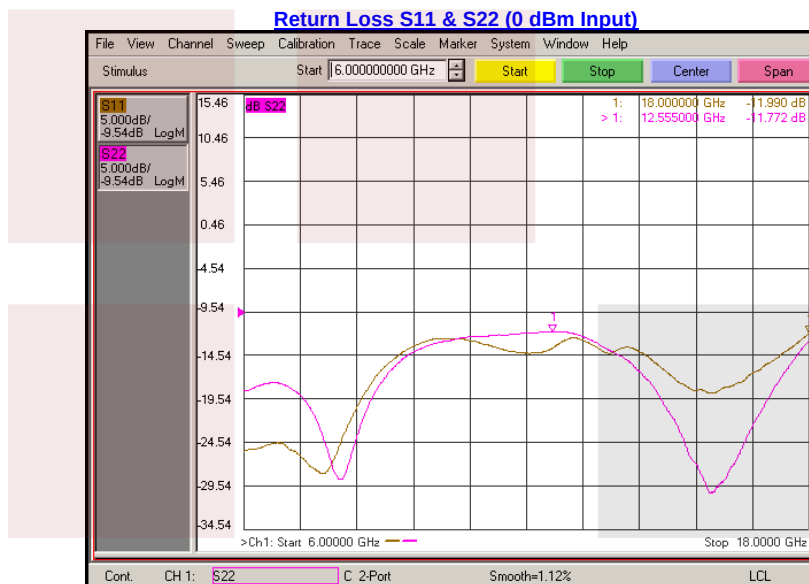
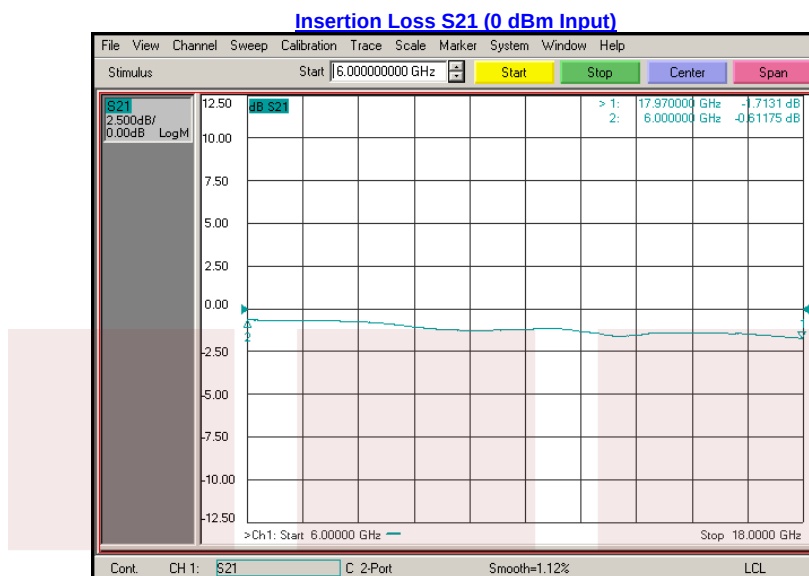
- High Speed 10 Watt CW Limit
- 6 GHz to 18 GHz Frequency Range
- Peak Power 10 Watts CW
- Insertion Loss 2.5 dB Typ
- Leakage Power +15 dBm Typ
- High Power Handling

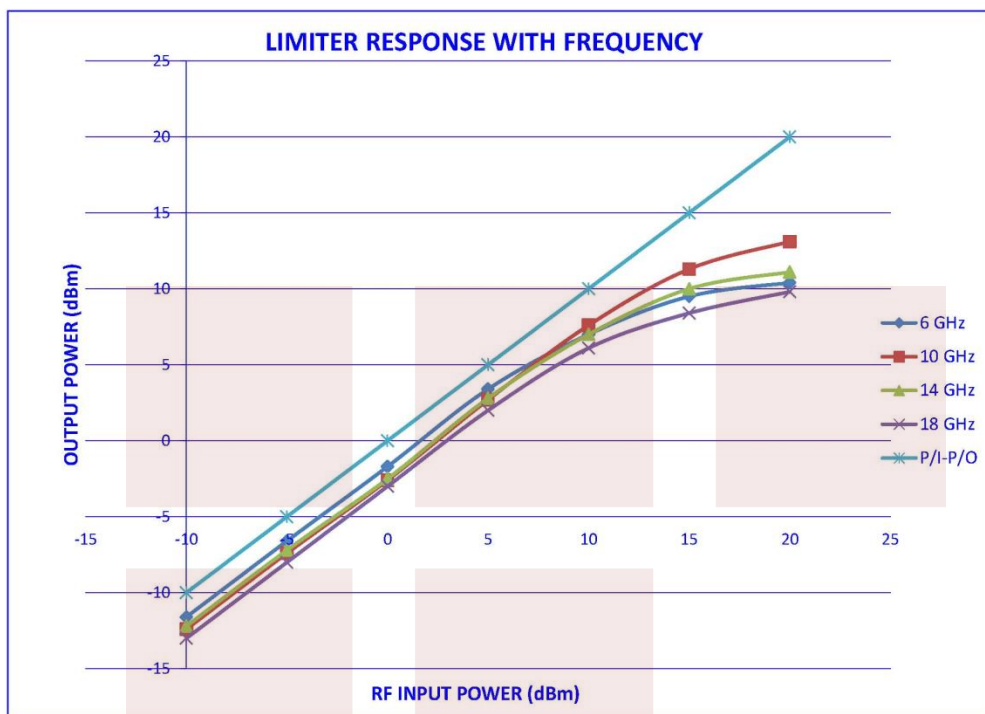
Applications:

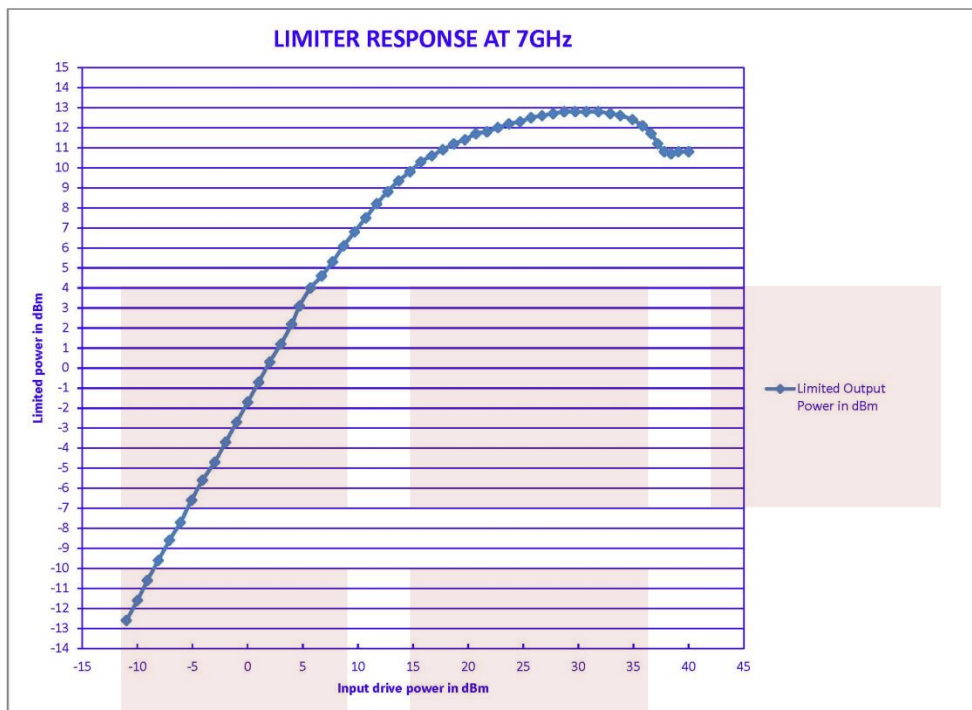
- Electronic Warfare
- Test & Measurement
- Military & Space
- Military Communication Systems
- Stabilizing generator outputs
- Reducing amplitude variations
- Protects low noise amplifiers and other devices from ESD or input power damage
- Receiver Protection
- Weapon systems

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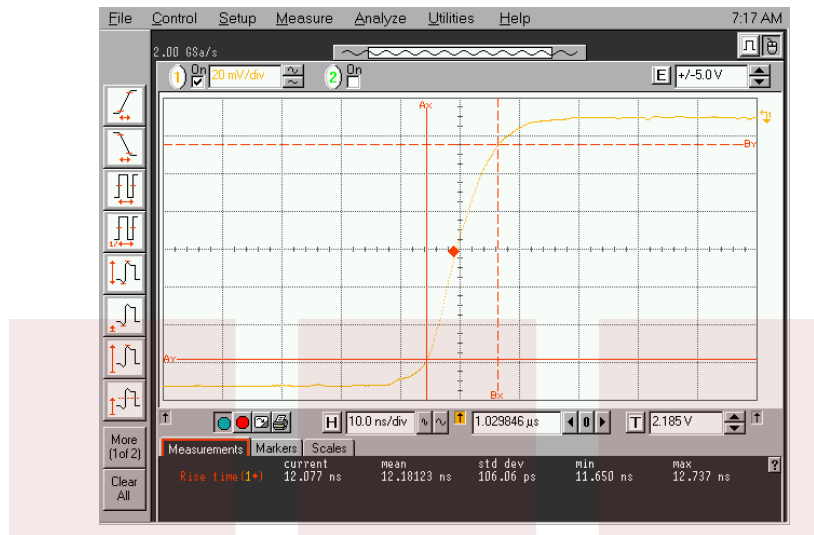
Typical Performance Data



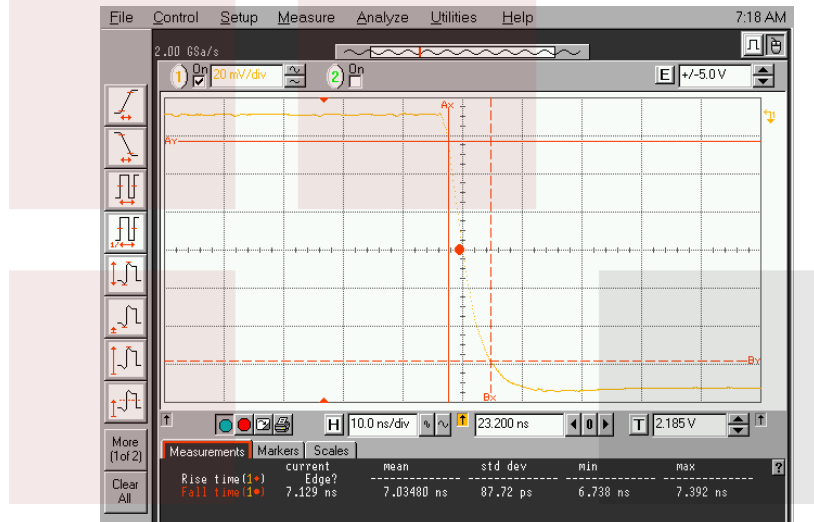




Recovery Time



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-p.asp)

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

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