

**SMA Limiter PIN-Schottky With 16 dBm Flat Leakage  
 Operating From 500 MHz to 2 GHz**

**Electrical Specifications**

Internal DC Block

Description	Min	Typ	Max	Unit
Frequency Range	0.5		2	GHz
Insertion Loss		0.4	0.6	dB
Input VSWR		1.25:1	1.4:1	
Output VSWR		1.25:1	1.4:1	
Leakage (CW) @ 1 Watt CW			+16	dBm
Leakage (Peak)			+20	dBm
Recovery Time		200		µs
Input Power (CW)			1	Watt
Input Power (Peak) @1us pulse, 0.1% Duty Cycle Derated to 20% @ +125°C			200	Watt
Limiting Threshold		+9		dBm

Electrical Specification Notes:  
 Values at 25°C, sea level. Specification @ +25°C and -10 dBm input power.

**Mechanical Specifications**

<b>Size</b>	
Length	1.27 in [32.26 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.2 lbs [90.72 g]
Body Material and Plating	Passivated Stainless Steel

**Configuration**

Style	PIN-Schottky Limiter
Package Style	Connectorized Module
Impedance	50 Ohms
Connector 1	SMA Male
Connector 2	SMA Female

**Environmental Specifications**

**Temperature**

Operating Range	-55 to +125 deg C
Storage Range	-65 to +155 deg C

Shock	50 G's, 11 msec
Vibration	20G, 100 to 2000Hz
ESD Sensitivity	Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

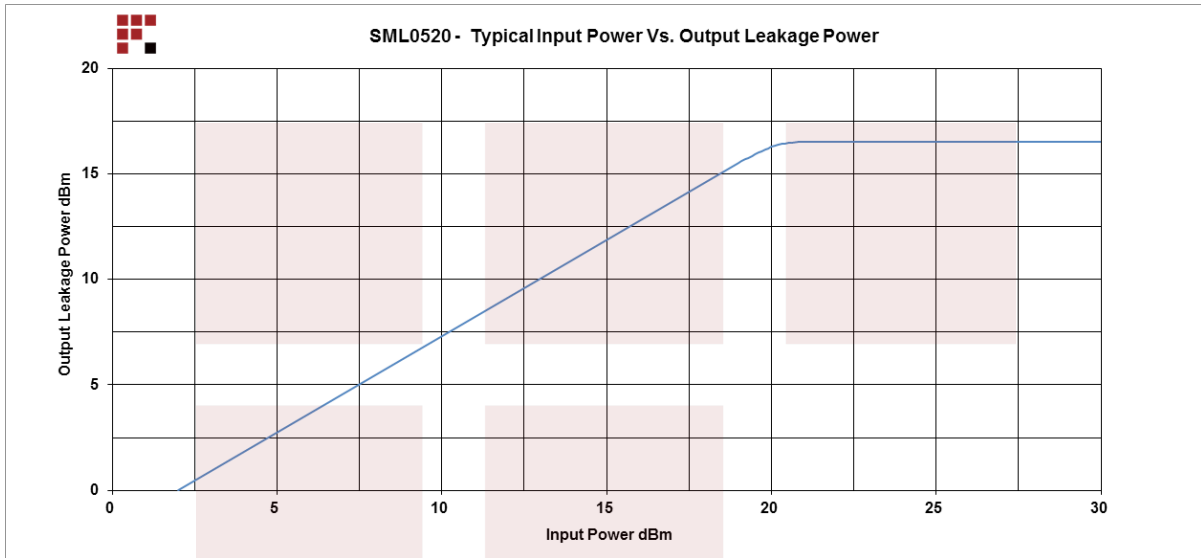
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)  
 RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

**Typical Performance Data**

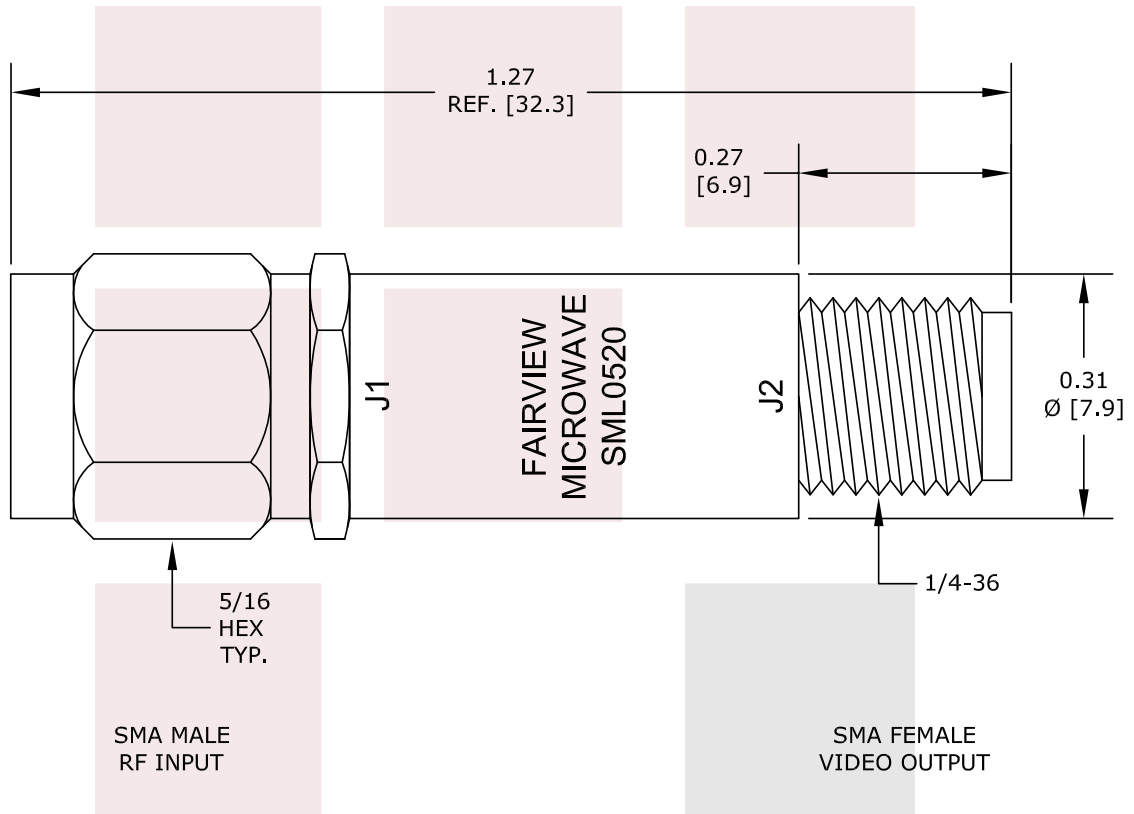


SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 500 MHz to 2 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 500 MHz to 2 GHz SML0520](#)

URL: <http://www.fairviewmicrowave.com/sma-limiter-pin-schottky-14-dbm-500-mhz-2-ghz-sml0520-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.



<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 500 MHz to 2 GHz		DWG NO <b>SML0520</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE 072815 SHEET		SCALE N/A		SIZE A 150	