

**SMA Limiter PIN-Schottky With 16 dBm Flat Leakage  
 Operating From 8 GHz to 18 GHz**

**Electrical Specifications**

Internal DC Block

Description	Min	Typ	Max	Unit
Frequency Range	8		18	GHz
Insertion Loss		2.2	2.5	dB
Input VSWR		2:1	2.2:1	
Output VSWR		2:1	2.2:1	
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.



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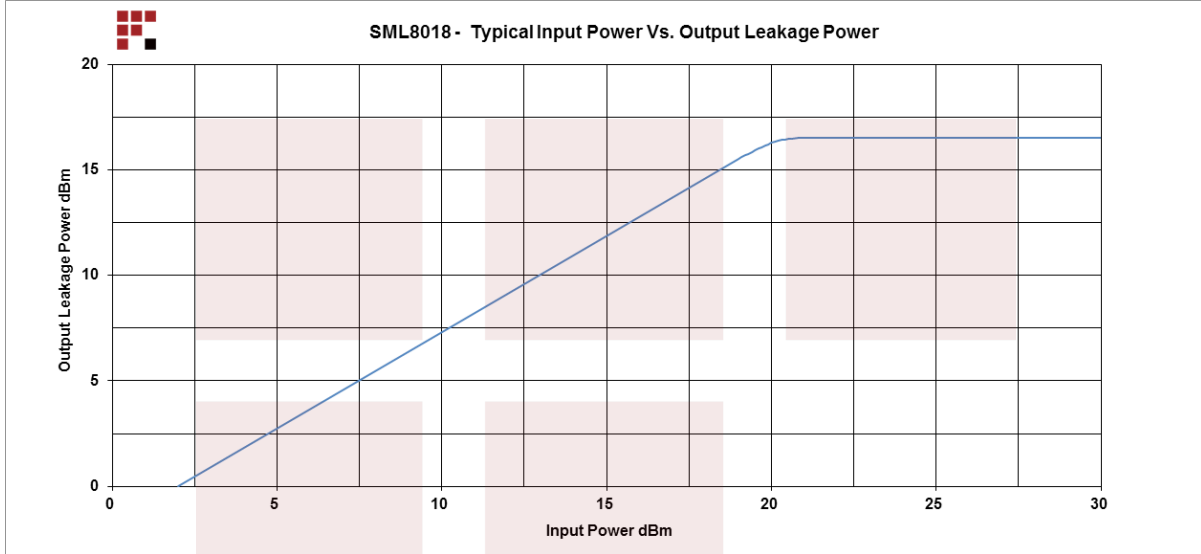
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)  
 RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

**Typical Performance Data**

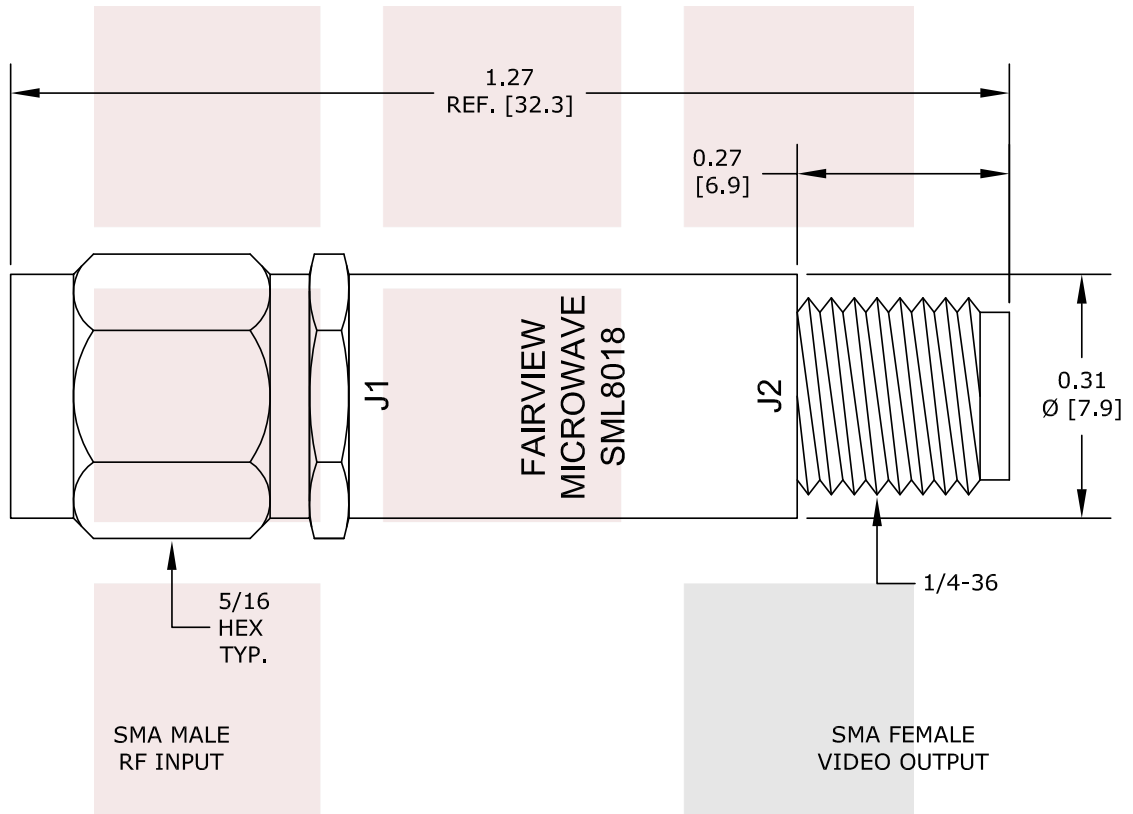


SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 8 GHz to 18 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 8 GHz to 18 GHz SML8018](#)

URL: <http://www.fairviewmicrowave.com/sma-limiter-pin-schottky-14-dbm-8-18-ghz-sml8018-p.aspx>

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TITLE SMA Limiter PIN-Schottky With 16 dBm Flat Leakage Operating From 8 GHz to 18 GHz		DWG NO <b>SML8018</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	072815	SHEET	SCALE	N/A	SIZE A 150