

ESL5459A2 PIN-Schottky Diode Limiter

5.4 to 5.9 GHz Narrowband



Technical Characteristics

Product Features	
Power Handling:	1 watt CW, 100W peak power
	(1 usec Pulse Width, 0.1% Duty Cycle Derated to 20% @ +125 °C)
	Internal DC return
	Fast recovery time - 200µS typ.
	Limiting threshold above +4dBm typ. & below typ. output leakage
	Low insertion loss

Maximum Ratings	
Storage Temperature:	-65 to +125°
Operating Temperature:	-55 to +90°
Input power:	1 watt CW, 100 watts peak

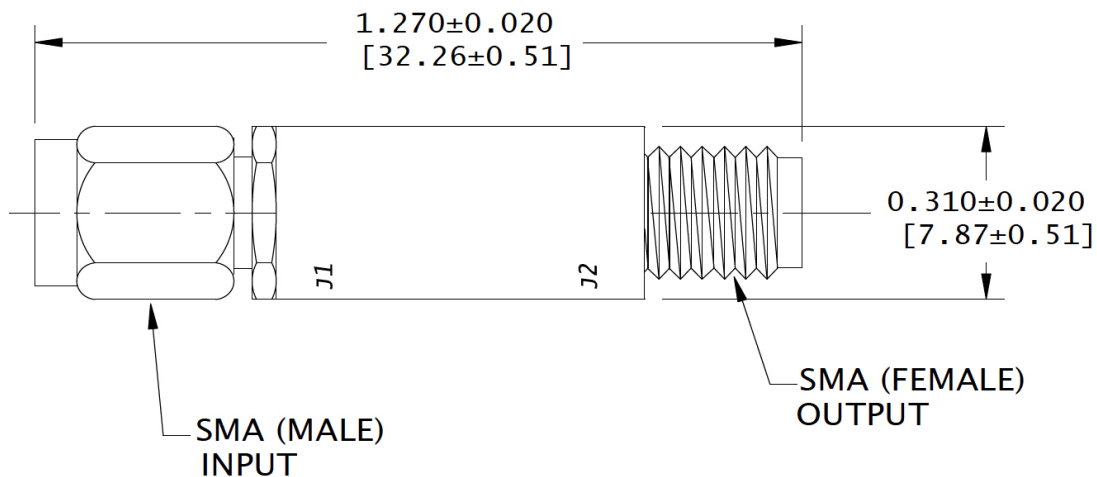
Product Export Classification	
ECCN:	EAR 99 (unless otherwise specified)
HTS:	85543.70.8000

Specifications @ +25°C & -10 dBm input power.

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	5.4 to 5.9		0.8		dB
VSWR	5.4 to 5.9		1.5:1		-
Leakage Power (CW)	5.4 to 5.9			16.0	dBm CW
				18.0	dBm Peak
Operating Temperature		-55		90	°C

Outline drawing



Notes:

1. Limiter has an internal DC block.
2. Typical values are measured at +25°C and are not guaranteed.