

# ESL7012A2 Pin-Schottky Diode Limiter

7.0-12.0 GHz Octave Band



## 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 block  
 Fast recovery time - 200 uSec typ.  
 Limiting threshold above +4dBm typ. & low typical output leakage  
 Low insertion loss

### Maximum Ratings

Storage Temperature.....-65° to +125°C  
 Operating Temperature.....-55° to +90°C  
 Max Input Power.....+2 watts CW, 100 watts peak

### Product Export Classification

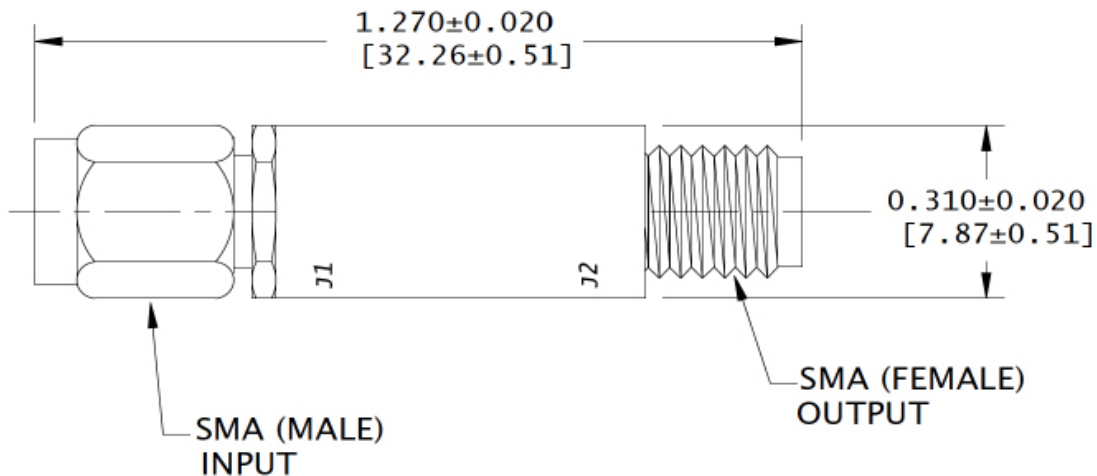
ECCN: EAR 99 (unless otherwise specified)  
 HTS: 85543.70.8000

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

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	7.0 to 12.0		1.6		dB
VSWR	7.0 to 12.0		1.6:1		-
Leakage Power (CW)	7.0 to 12.0			+16	dBm CW
				+19	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.