

# EPL7012A3 PIN-PIN Diode Limiter

7.0 to 12.0 GHz Broadband



## 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	
Limiting threshold above +12dBm 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

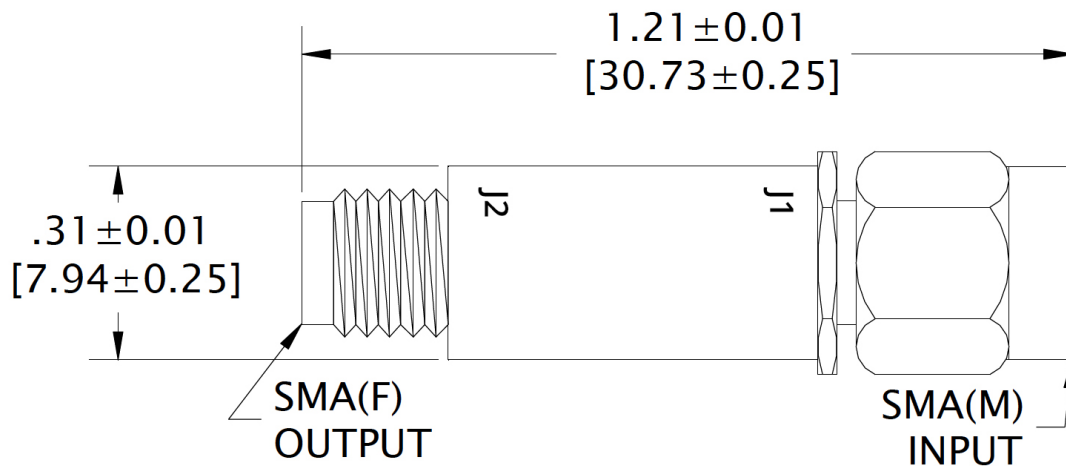
Product Export Classification	
ECCN: EAR 99 (unless otherwise specified)	
HTS: 85543.70.8000	

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

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	7.0 to 12.0		1.5		dB
VSWR	7.0 to 12.0		1.8:1		-
Leakage Power (CW)	7.0 to 12.0			18.0	dBm CW
				20.0	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.