

# EPL0510A3 Pin-Pin Diode Limiter

0.5-1.0 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 return
Fast recovery time
Limiting threshold above +12dBm typ. & below 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

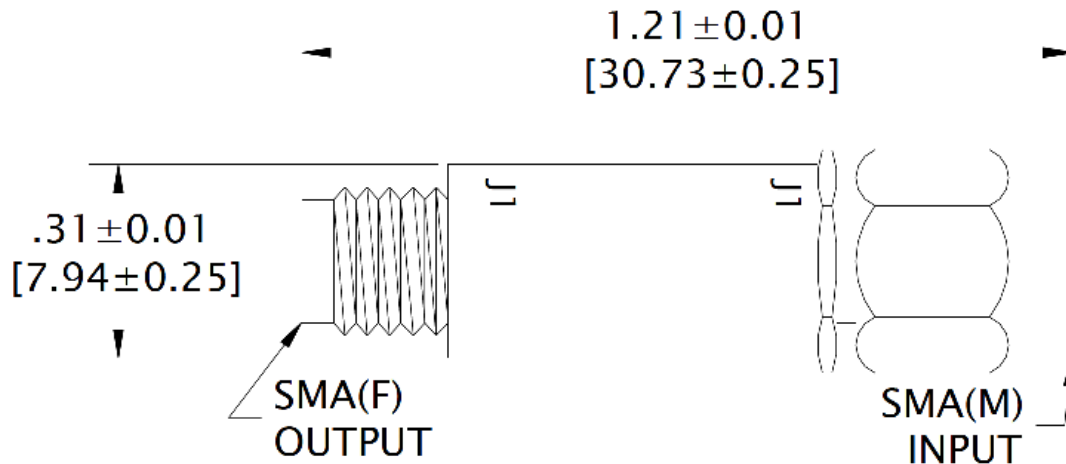
ECCN: EAR 99 (unless otherwise specified)  
HTS: 85543.70.8000

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

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	0.5 to 1.0		0.4		dB
VSWR	0.5 to 1.0		1.4:1		-
Leakage Power (CW)	0.5 to 1.0			+20	dBm CW
				+23	dBm Peak
Operating Temperature		-55		+90	°C

Outline drawing



Notes:

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