

EPL2018A3 Pin-Pin Diode Limiter

2.0-18.0 GHz Broadband



Technical Characteristics

Product Features

Power Handling: 1 watt CW, 200W 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.....	+1 watt CW, 200 watts peak

Product Export Classification

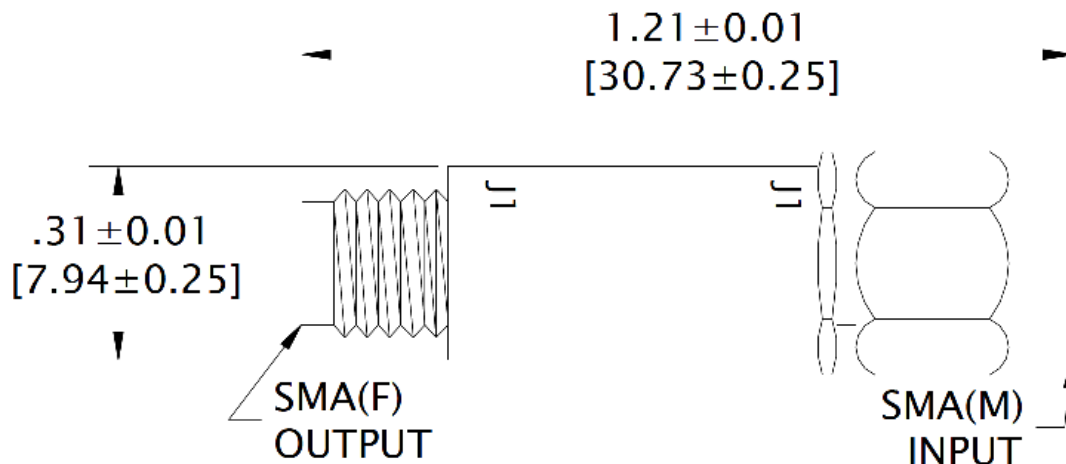
ECCN: EAR 99 (unless otherwise specified)
HTS: 85543.70.8000

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	2.0 to 18.0		2.0	2.5	dB
VSWR	2.0 to 18.0		2.0:1	2.2:1	-
Leakage Power (CW)	2.0 to 18.0		+16.0	+20.0	dBm CW
CW Power				1	Watt
Peak Power				200	Watts
1.0 μSec Pulse Width .01% Duty Cycle					
Recovery Time			10	20	nSec

Outline drawing



Notes:

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

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Typical Performance @ +25° C

