

EPL8018A3 Pin-Pin Diode Limiter

8.0-18.0 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 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

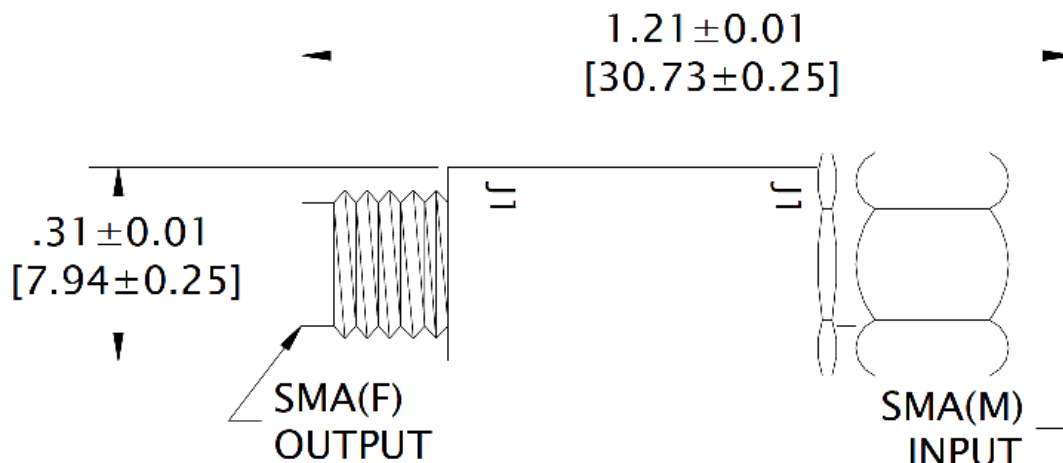
ECCN: EAR 99 (unless otherwise specified)
HTS: 85543.70.8000

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	8.0 to 18.0		2.2		dB
VSWR	8.0 to 18.0		2.0:1		-
Leakage Power (CW)	8.0 to 18.0			+19	dBm CW
				+20	dBm Peak
Operating Temperature		-55		+90	° C

Outline drawing



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ECCN: EAR 99 (unless otherwise specified)
HTS: 8541.10.0060



Notes:

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