

EPL1020A3 PIN-PIN Diode Limiter

1.0-2.0 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

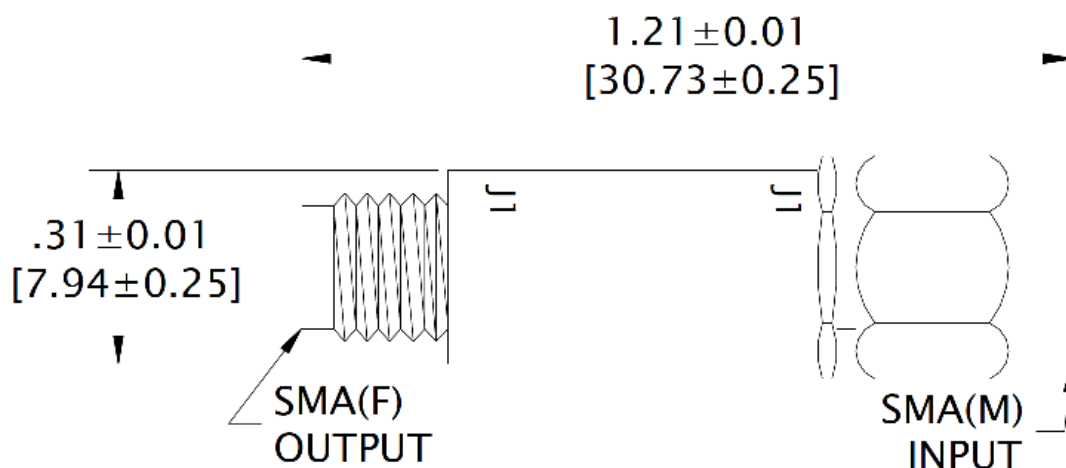
Storage Temperature.....-65° to +125°C
Operating Temperature.....-55° to +90°C
Max Input Power.....1 watt CW, 100 watts peak

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	1.0 to 2.0		0.4		dB
VSWR	1.0 to 2.0		1.4:1		-
Leakage Power (CW)	1.0 to 2.0			+19	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.

Product Export Classification
ECCN: EAR 99 (unless
otherwise specified)
HTS: 8541.10.0060



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