

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.....	+2 watts CW, 100 watts peak

Product Export Classification

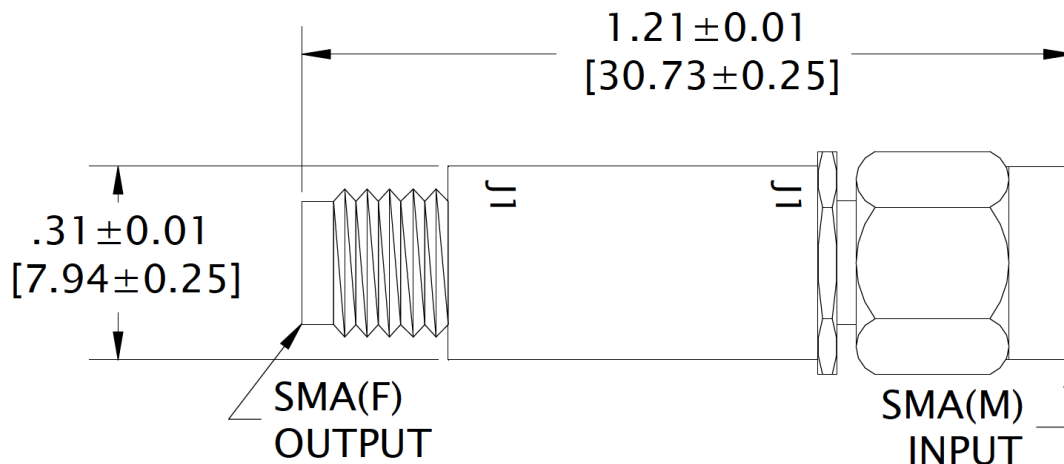
ECCN: EAR 99 (unless otherwise specified)
HTS: 85543.70.8000

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	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 block.
2. Typical values are measured at +25°C and are not guaranteed.