

EPL2040A2 Pin-Pin Diode Limiter

2.0-4.0 GHz Broadband



Technical Characteristics

Product Features

Power Handling: 2 watt CW, 100W peak power
 (1 μsec Pulse Width, 0.1% Duty Cycle Derated to 20% @ +125 °C)
 Internal DC return
 Broadband frequency response

Maximum Ratings

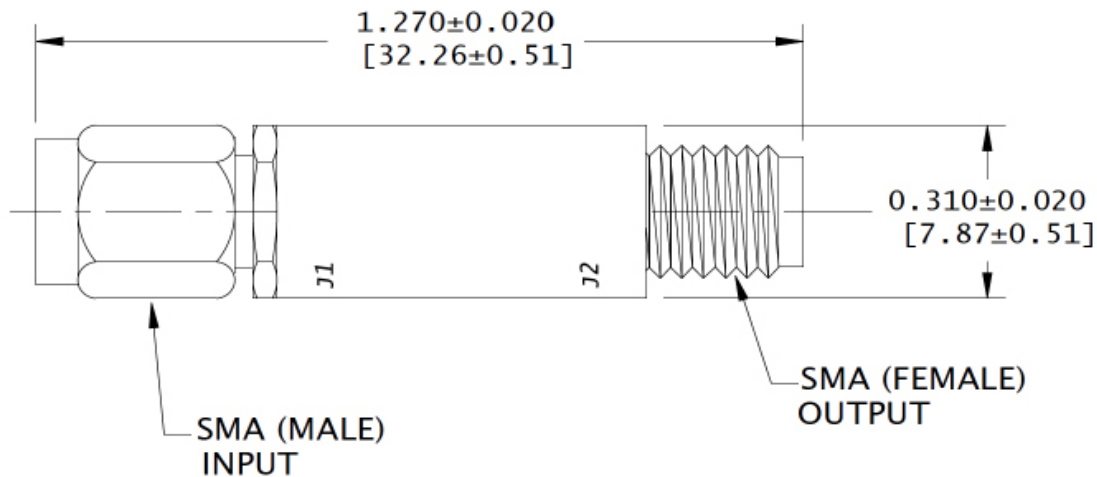
Storage Temperature.....-65° to +155°C
 Operating Temperature.....-55° to +125°C
 Max Input Power.....+2 watts CW, 100 watts peak
 Shock.....50Gs, 11 mSec
 Vibration.....20Gs, 100 to 2000Hz

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	2.0 to 4.0		0.4	0.8	dB
VSWR	2.0 to 4.0		1.5:1	1.7:1	
Leakage Power (CW)	2.0 to 4.0		+13	+18	dBm CW
				+20	dBm Peak
Limiting Threshold	2.0 to 4.0		+9		dBm
Peak Power Handling	2.0 to 4.0			100	Watts
(1μsec Pulse width, 0.1% duty cycle, derated to 20% @ +125° C					
CW Power Handling				1.0	Watts
Operating Temperature		-55 °		+125 °	° C

Outline drawing



Notes:

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