

# EPL8016A3 PIN-PIN Diode Limiter

8.0 to 16.0 GHz Octave Band



## Technical Characteristics

| Product Features   |  |
|--|--|
| Power Handling: 1 watt CW, 100W peak power<br>(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 typ. output leakage   |  |
| Low insertion loss   |  |

| Maximum Ratings        |                           |
|------------------------|---------------------------|
| Storage Temperature:   | -65 to +125°              |
| Operating Temperature: | -55 to +90°               |
| Input power:           | 1 watt CW, 100 watts peak |

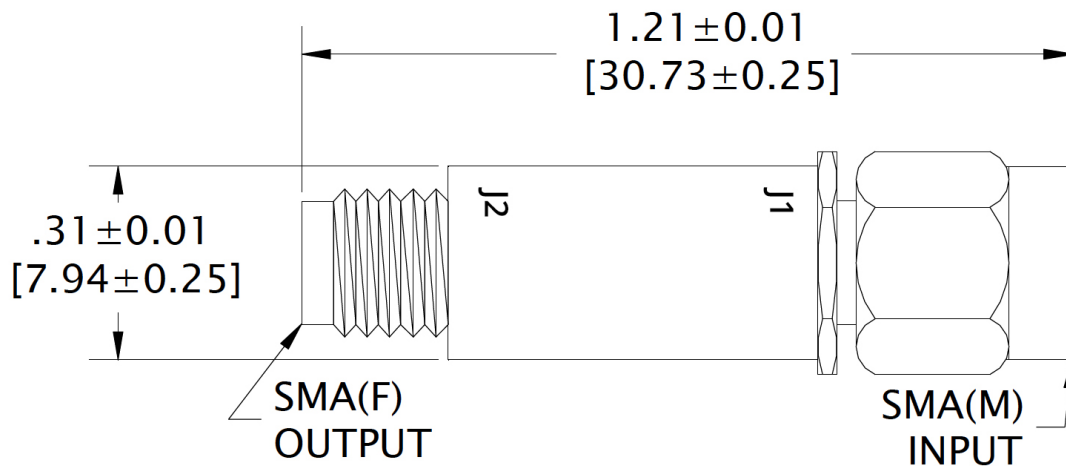
| Product Export Classification             |  |
|---|--|
| ECCN: EAR 99 (unless otherwise specified) |  |
| HTS: 85543.70.8000                        |  |

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

## Electrical Specifications

| Parameters            | Freq. (GHz) | Min. | Typical | Max. | Units    |
|-----------------------|-------------|------|---------|------|----------|
| Insertion Loss        | 8.0 to 16.0 |      | 2.0     |      | dB       |
| VSWR                  | 8.0 to 16.0 |      | 2.0:1   |      | -        |
| Leakage Power (CW)    | 8.0 to 16.0 |      |         | 18.0 | dBm CW   |
|                       |             |      |         | 20.0 | 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.