

EPL8018A3 PIN-PIN Diode Limiter

8.0 to 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 typ. output leakage | |
| Low insertion loss | |

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

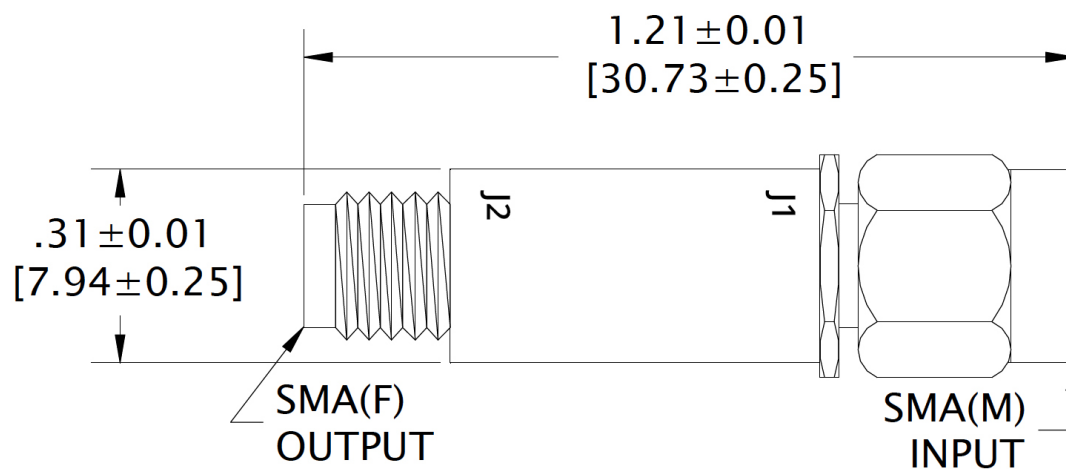
| Product Export Classification | |
|---|--|
| ECCN: EAR 99 (unless otherwise specified) | |
| HTS: 85543.70.8000 | |

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 | | 2.2:1 | | - |
| Leakage Power (CW) | 8.0 to 18.0 | | | 19.0 | 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.