

EPL6018A3 PIN-PIN Diode Limiter

6.0 to 18.0 GHz Broadband



Technical Characteristics

Product Features

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| 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

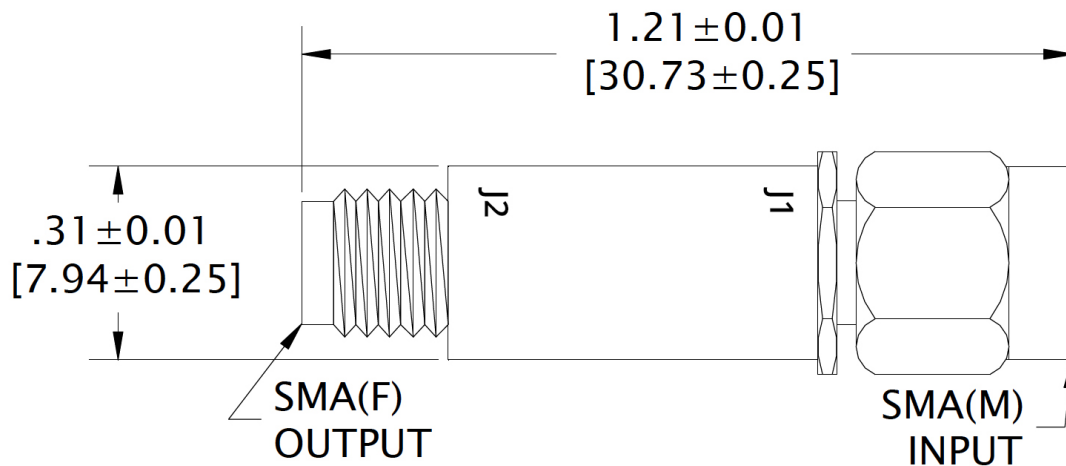
ECCN: EAR 99 (unless otherwise specified)
HTS: 85543.70.8000

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

Electrical Specifications

| Parameters | Freq. (GHz) | Min. | Typical | Max. | Units |
|-----------------------|-------------|------|---------|------|----------|
| Insertion Loss | 6.0 to 18.0 | | 2.2 | | dB |
| VSWR | 6.0 to 18.0 | | 2.0:1 | | - |
| Leakage Power (CW) | 6.0 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.