

EPL7012A3 Pin-Pin Diode Limiter

7.0-12.0 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

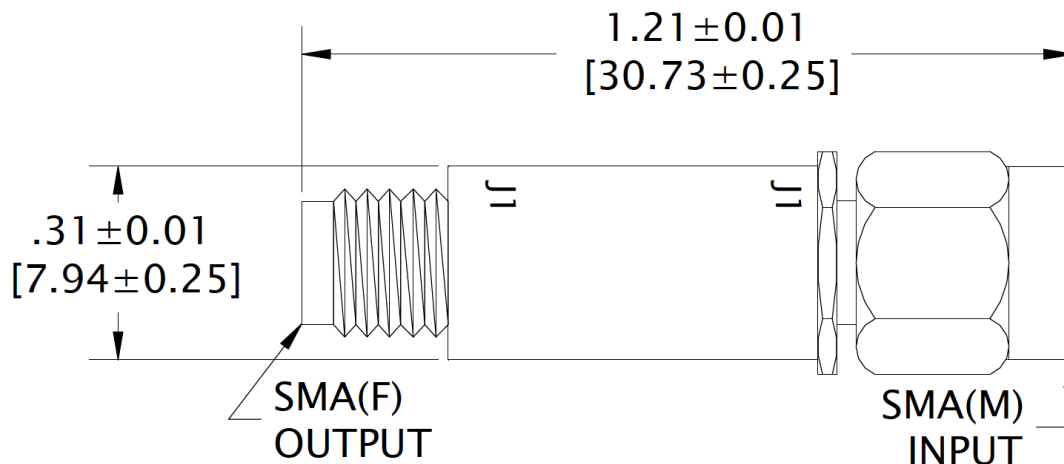
ECCN: EAR 99 (unless otherwise specified)
HTS: 85543.70.8000

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

Electrical Specifications

| Parameters | Freq. (GHz) | Min. | Typical | Max. | Units |
|-----------------------|-------------|------|---------|------|----------|
| Insertion Loss | 7.0 to 12.0 | | 1.5 | | dB |
| VSWR | 7.0 to 12.0 | | 1.8:1 | | - |
| Leakage Power (CW) | 7.0 to 12.0 | | | +18 | dBm CW |
| | | | | +20 | 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.