

EPL0520A3 Pin-Pin Diode Limiter

0.5-2.0 GHz Broadband



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 typical output leakage                                          |
| Low insertion loss                                                                                           |

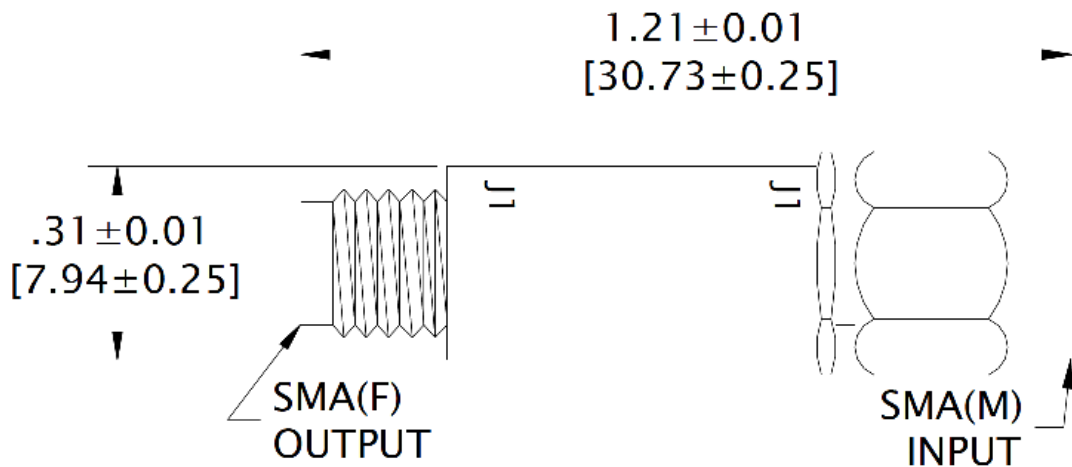
| Maximum Ratings                                 |
|-------------------------------------------------|
| Storage Temperature.....-65° to +125°C          |
| Operating Temperature.....-55° to +90°C         |
| Max Input Power.....+2 watts CW, 100 watts peak |

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

Electrical Specifications

| Parameters            | Freq. (GHz) | Min. | Typical | Max. | Units    |
|-----------------------|-------------|------|---------|------|----------|
| Insertion Loss        | 0.5 to 2.0  |      | 0.5     |      | dB       |
| VSWR                  | 0.5 to 2.0  |      | 1.4:1   |      | -        |
| Leakage Power (CW)    | 0.5 to 2.0  |      |         | +20  | dBm CW   |
|                       |             |      |         | +23  | dBm Peak |
| Operating Temperature |             | -55  |         | +90  | ° C      |

Outline drawing



Product Export Classification  
ECCN: EAR 99 (unless otherwise specified)  
HTS: 8541.10.0060



Notes:  
1. Typical values are measured at +25°C and are not guaranteed.