

# 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 |

### Product Export Classification

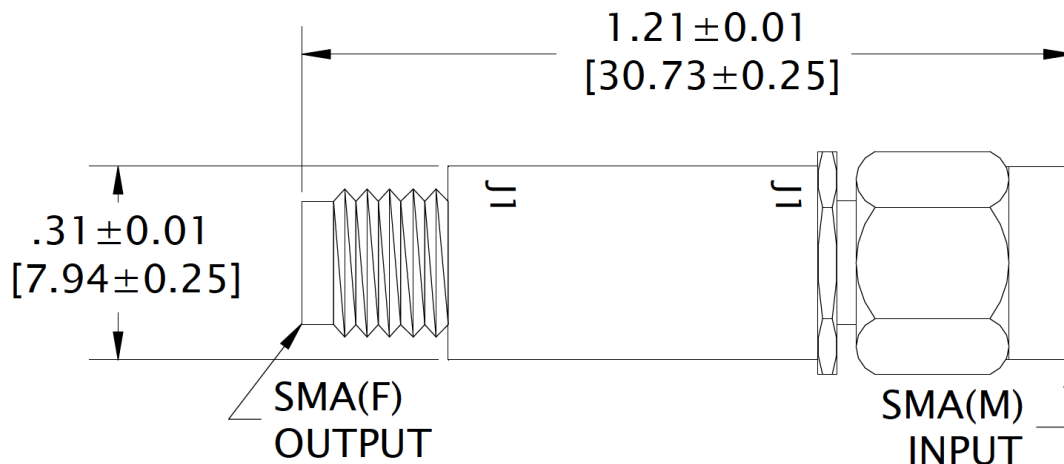
ECCN: EAR 99 (unless otherwise specified)  
HTS: 85543.70.8000

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

## Electrical Specifications

| Parameters            | Freq. (GHz) | Min. | Typical | Max. | Units    |
|-----------------------|-------------|------|---------|------|----------|
| Insertion Loss        | 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



#### Notes:

1. Limiter has an internal DC block.
2. Typical values are measured at +25°C and are not guaranteed.