

The LT-PL18G-20W-15 is a broadband limiter product. This limiter has an operating frequency range that can cover DC -18 GHz and features stable performance.

Features:

- Frequency range: DC-18 GHz
- RF Power Handling: 20W(CW)
- Limiting power: 15dBm
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

Electrical Characteristics:

| Parameter          | Min     | Typ | Max | Units |
|--------------------|---------|-----|-----|-------|
| Frequency range    | DC-18   |     |     | GHz   |
| Insertion Loss     |         | 1   |     | dB    |
| Limiting power     |         | 15  |     | dBm   |
| Input Return Loss  |         | -18 |     | dB    |
| Output Return Loss |         | -18 |     | dB    |
| Power handling     | 20W(CW) |     |     |       |
| Impedance          | 50      |     |     | Ohms  |

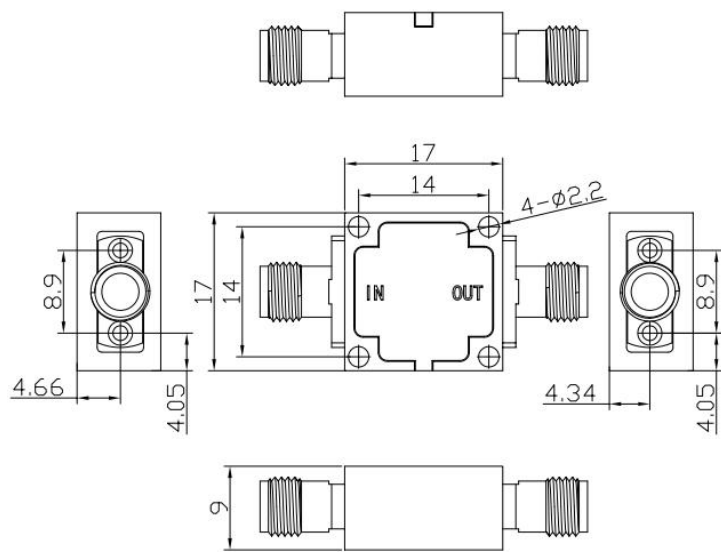
Mechanical Specifications :

| Parameter               | Value                 | Units |
|-------------------------|-----------------------|-------|
| Input /Output Connector | SMA Female/SMA Female |       |
| Size                    | 17*17*9               | mm    |

Absolute Maximum Ratings:

| Parameter             | Value                |
|-----------------------|----------------------|
| RF Input Power        | +43 dBm              |
| ESD sensitivity (HBm) | Class 0, passed 150V |

Outline Drawing: Unit:mm

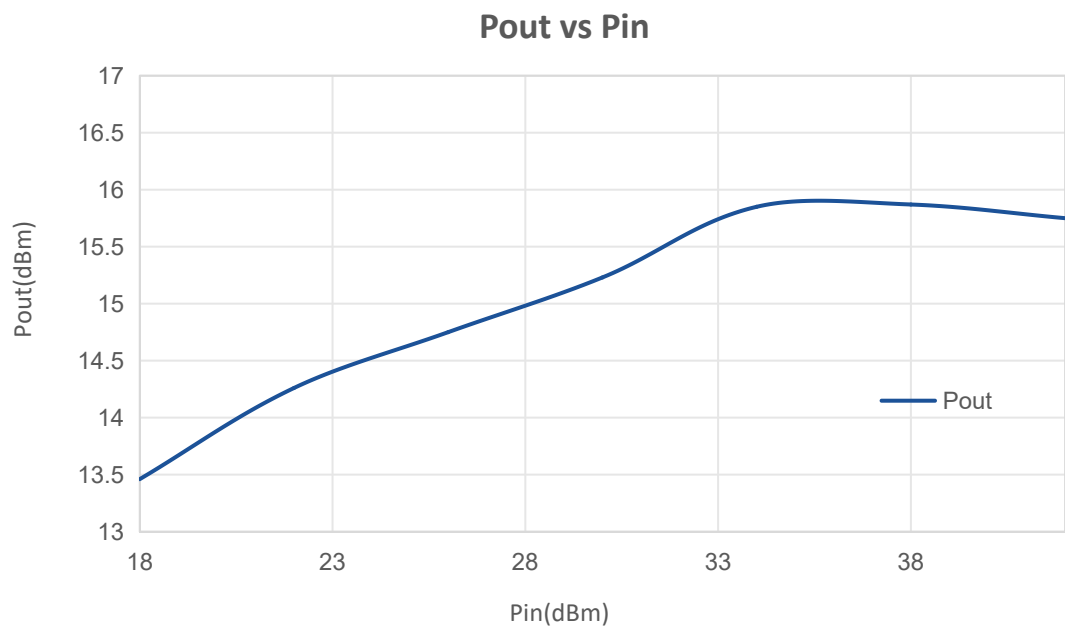
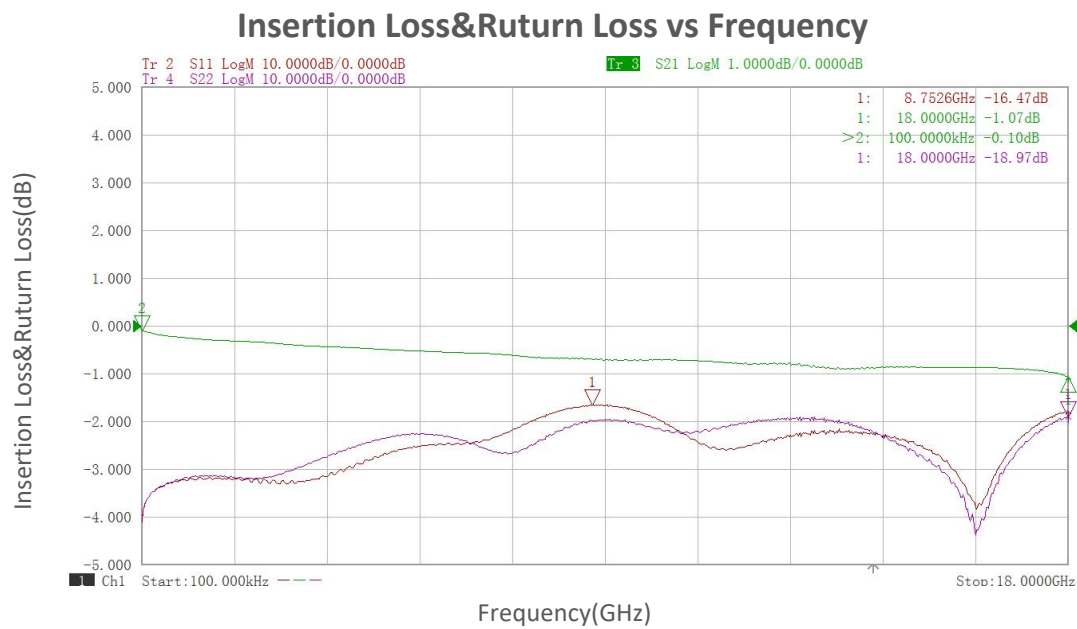


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Environmental Conditions:

| Parameter                       | Min                                                 | Typ | Max  | Units |
|---------------------------------|-----------------------------------------------------|-----|------|-------|
| Operating Temperature           | -45                                                 |     | +85  | °C    |
| Non-operating Temperature       | -55                                                 |     | +125 | °C    |
| Relative humidity               |                                                     | 95  |      | %     |
| Altitude                        | 10,000                                              |     |      | feet  |
| Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis |     |      |       |
| Shock(non operating)            | 20G for 11msc half sin wave,3 axis both directions  |     |      |       |

Typical Performance Data :



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.