

## Power Limiter

### DC-8GHz /43dBm Power Handling

Model: TLMTDC8G-43-15

The TLMTDC8G-43-15 is a broadband limiter product. This limiter has an operating frequency range that can cover DC-8 GHz and features stable performance.

#### Features:

- Frequency range:DC-8 GHz
- RF Power Handling:43dBm(CW)
- Limiting power:15 dBm
- 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-8		GHz
Insertion Loss		0.8		dB
Limiting power		15		dBm
Input VSWR		1.3		:1
Output VSWR		1.3		:1
Power handling		43(CW)		dBm
Impedance		50		Ohms

#### Mechanical Specifications:

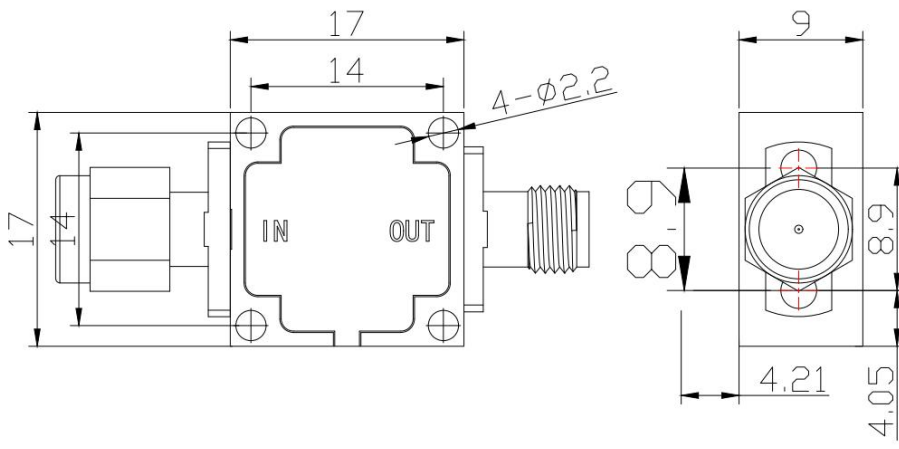
Parameter	Value	Units
Input /Output Connector	SMA Male/SMA Female	
Length	17*17*9	mm

### 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:

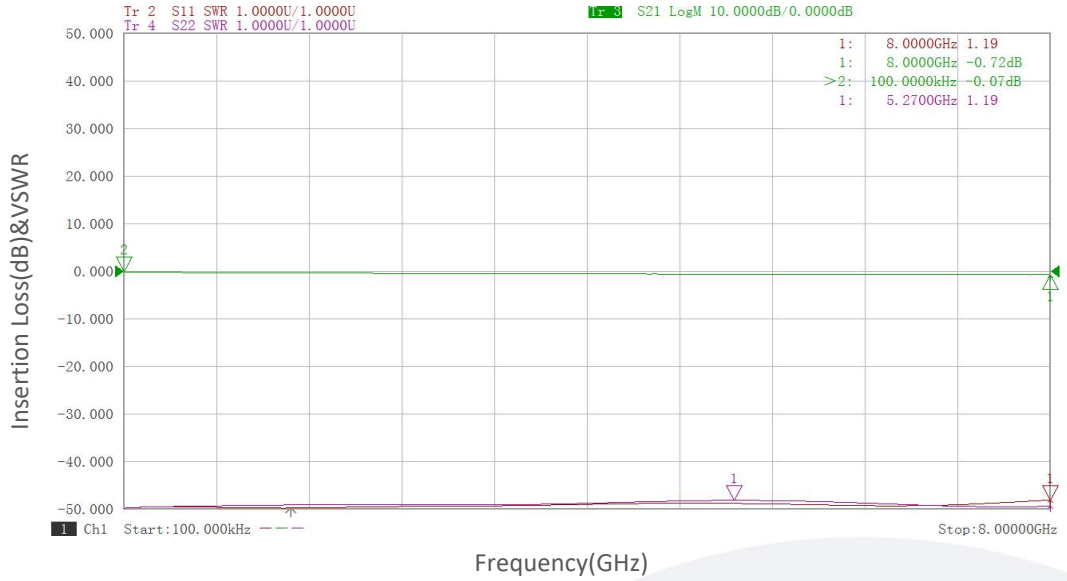
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude		10,000		feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

### Ordering Information:

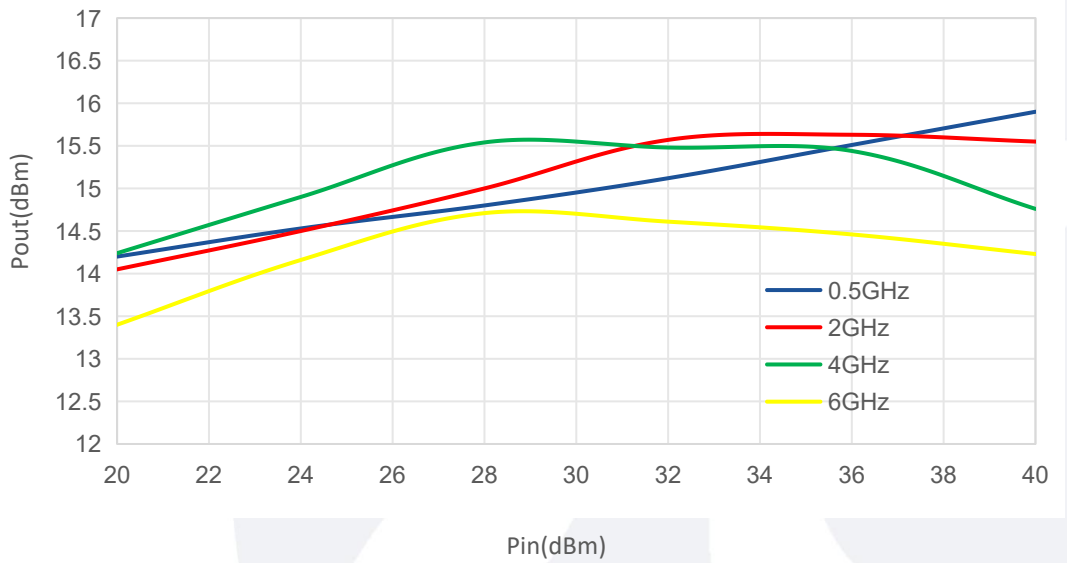
Base Number	Description	Revision
TLMTDC8G-43-15	Power Limiter, DC-8GHz, Limiting power:15dBm	Rev.1.0

**Typical Performance Data:**

**Insertion Loss&VSWR vs Frequency**



**Pout vs Pin**



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.