

Power Limiter

6GHz -18GHz/30dBm Power Handling

Model: TLMT6G18G-30-11

The TLMT6G18G-30-11 is a broadband limiter product. This limiter has an operating frequency range that can cover 6 GHz to 18GHz and features stable performance.

Features:

- Frequency range:6-18 GHz
- RF Power Handling:30dBm(CW)
- Limiting power:11 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	6-18			GHz
Insertion Loss			2	dB
Limiting power		11		dBm
Input VSWR		1.8		:1
Output VSWR		1.8		:1
Power handling	30(CW)			dBm
Impedance	50			Ohms

Mechanical Specifications:

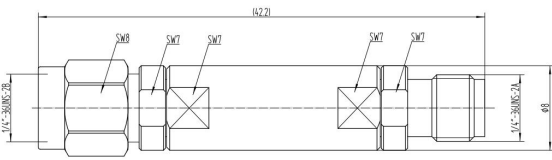
Parameter	Value	Units
Input /Output Connector	2.92mm Male/2.92mm Female	
Length	42.2	mm

Absolute Maximum Ratings:

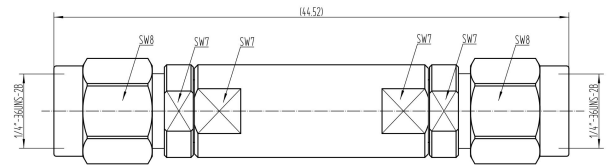
Parameter	Value
RF Input Power	+30 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

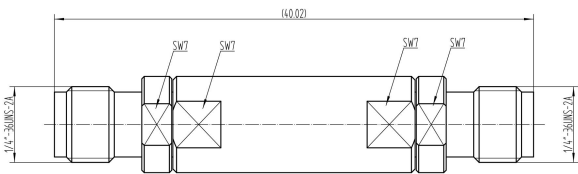
Unit:mm



TLMT6G18G-30-11



TLMT6G18G-30-11-MM



TLMT6G18G-30-11-FF



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

Environmental Conditions:

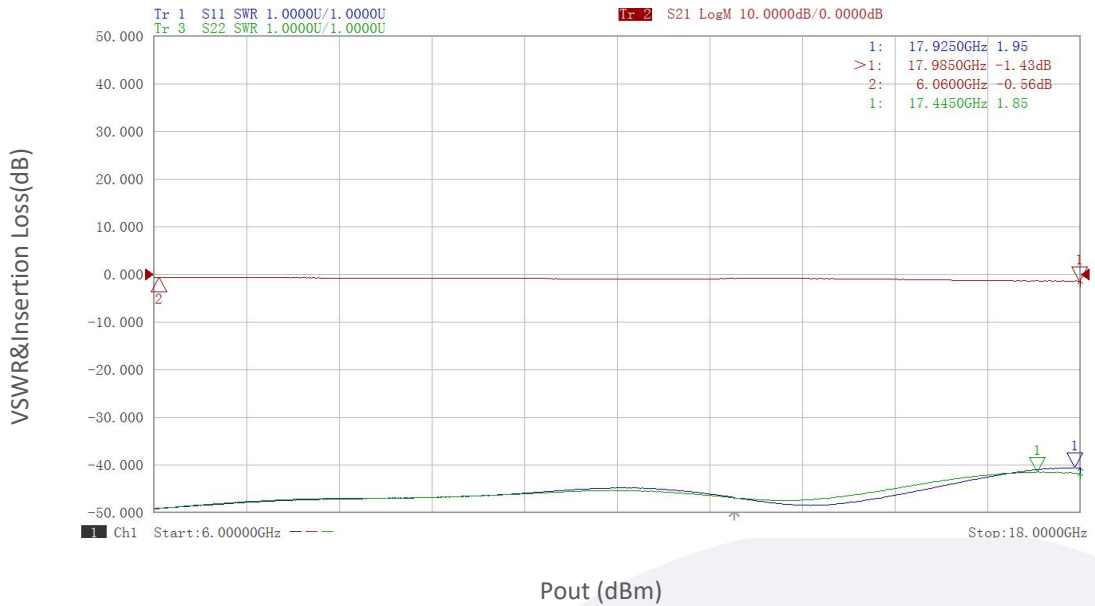
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Base Number	Description	Revision
TLMT6G18G-30-11	Power Limiter, 6-18GHz, Limiting power: 11dBm	Rev.1.0

Typical Performance Data:

Insertion Loss&VSWR vs Frequency



P1dB vs Frequency

