Suzhou Talent Microwave,Inc
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Equalizer

10-15GHz/5dB, Slope

Model: TLME-10G15G-5

The TLME-10G15G-5 is an equalizer. It is a positive gain slope equalizer designed to pass 10 to 15 GHz. Equalization can be applied to reduce low pass filtering effects in both RF/microwave and high speed digital systems.

Features:

- Frequency range: 10-15 GHz
- Good gain equalization
- Small Size and simple to use
- Excellent return loss

Applications:

- Cable or Waveguide Loss Compensation
- Amplifier Flatness Compensation
- Microwave Radio
- RF Transceivers
- Telecom Infrastructure

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Frequency range		10		15	GHz
Insertion Loss	@10G		9		dB
	@15GHz		4		
Slope			5		dB
Return Loss			-15		dB
Power Handing			25		
Impedance		50			Ohms

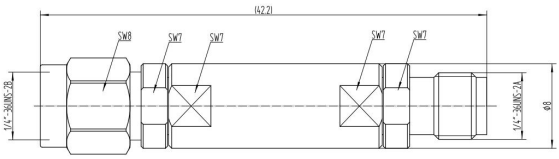
Mechanical Specifications:

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

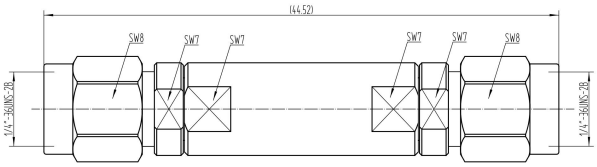
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Outline Drawing:

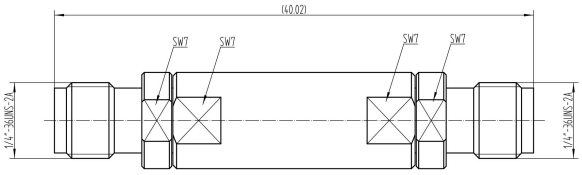
Unit:mm; Tolerance:±0.1mm



TLME-10G15G-5



TLME-10G15G-5-MM



TLME-10G15G-5-FF



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

Environmental Conditions:

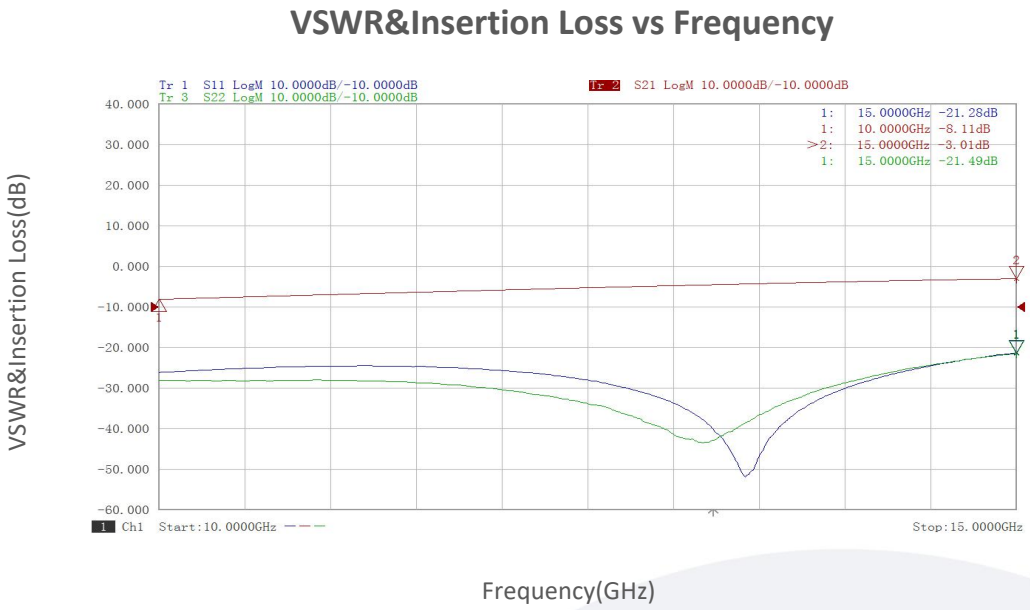
Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	℃
Non-operating Temperature	-55		+85	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Base Number	Description	Revision
TLME-10G15G-5	Equalizer, 10-15GHz, Insertion loss: 9dB@10GHz; 4dB@15GHz; 2.92mm Male/2.92mm Female	Rev.1.0
TLME-10G15G-5-MM	Equalizer, 10-15GHz, Insertion loss: 9dB@10GHz; 4dB@15GHz; 2.92mm Male/2.92mm Male	Rev.1.0
TLME-10G15G-5-FF	Equalizer, 10-15GHz, Insertion loss: 9dB@10GHz; 4dB@15GHz; 2.92mm Female/2.92mm Female	Rev.1.0

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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.