

Equalizer

DC-42GHz /3.0dB, Insertion Loss

Model: TLME-DC42G-6

The TLME-DC42G-6 is a equalizer. It is a positive gain slope equalizer designed to pass DC to 42GHz. Equalization can be applied to reduce low pass filtering effects in both RF/microwave and high speed digital systems.

Features:

- Frequency range: DC-42GHz
- Good gain equalization
- Small Size and simple to use
- Excellent return loss

Applications:

- N/A

Electrical Characteristics:

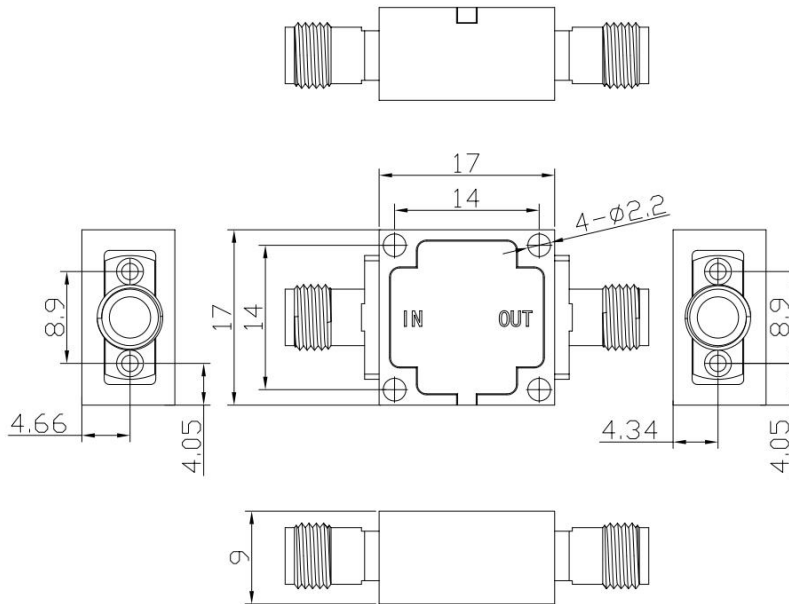
Parameter	Min	Typ	Max	Units
Frequency range	DC-42			GHz
Insertion Loss@42GHz		3.0		dB
Slope		6.0		dB
Return Loss		-12		dB
Power Handling			25	dBm
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92mm Female/2.92mm Female	
Size	17*17*9	mm

Outline Drawing:

Unit:mm



Environmental Conditions:

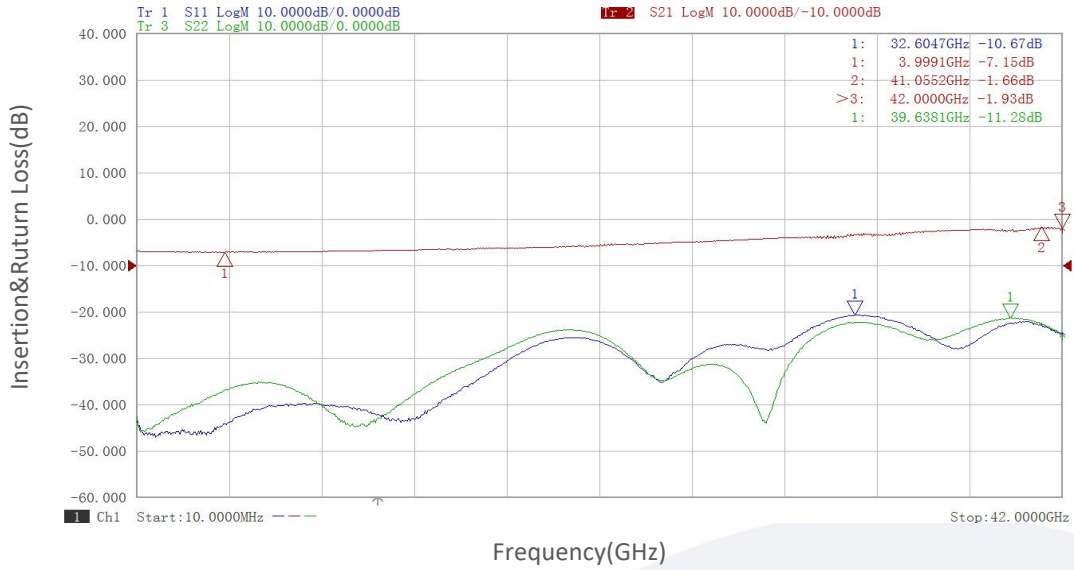
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

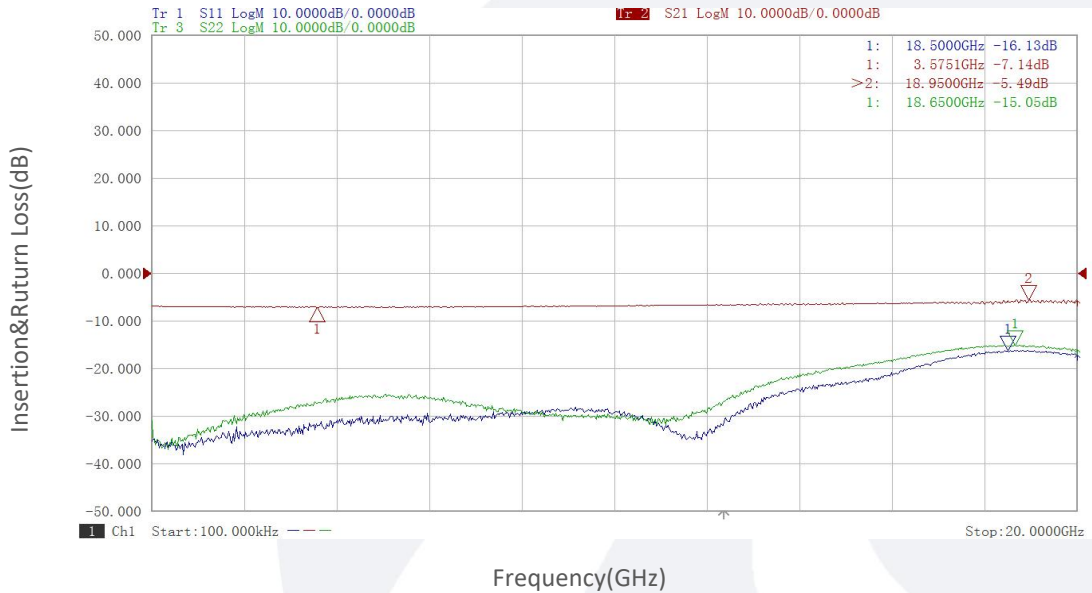
Base Number	Description	Revision
TLME-DC42G-6	Equalizer, DC-42GHz, Insertion loss:3.0dB@42GHz	Rev.1.1

Typical Performance Data:

Insertion&Return Loss vs Frequency



Insertion&Return Loss vs Frequency



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.