

Equalizer

6-18GHz /12dB,Low Insertion Loss

Model: TLME-6G18G-12

The TLME-6G18G-12 is a equalizer. It is a positive gain slope equalizer designed to pass 6 to 18GHz. Equalization can be applied to reduce low pass filtering effects in both RF/microwave and high speed digital systems.

Features:

- Ultra Wide Band: 6-18 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:

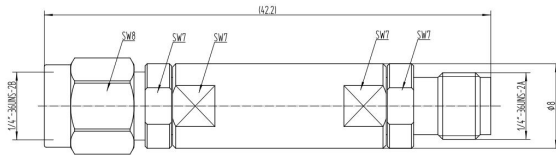
Parameter		Min	Typ	Max	Units
Frequency range		6-18			GHz
Insertion Loss	@6G		14		dB
	@20GHz		2		
Return Loss			-15		dB
Power Handling			30		dBm
Impedance		50			Ohms

Mechanical Specifications:

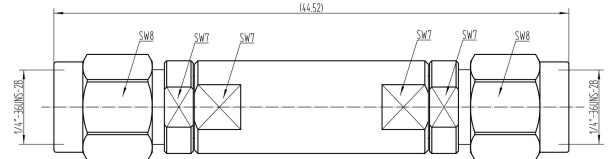
Parameter	Value	Units
Input /Output Connector	SMA	
Length	42.2	mm

Outline Drawing:

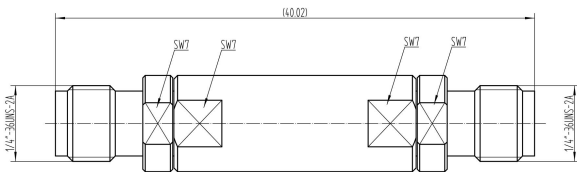
Unit:mm



TLME-6G18G-12



TLME-6G18G-12-MM



TLME-6G18G-12-FF

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-6G18G-12	Equalizer, 6-18GHz, Insertion loss:14dB@6G; 2dB@18GHz SMA Male/SMA Female	Rev.1.0
TLME-6G18G-12-MM	Equalizer, 6-18GHz, Insertion loss:14dB@6G; 2dB@18GHz SMA Male/SMA Male	Rev.1.0
TLME-6G18G-12-FF	Equalizer, 6-18GHz, Insertion loss:14dB@6G; 2dB@18GHz SMA Female/SMA Female	Rev.1.0