

Power Limiter

0.5-12GHz /10W,Power Handling

Model: TLMT-0.5G12G-40-16

The TLMT-0.5G12G-40-16 is a broadband limiter product. This limiter has an operating frequency range that can cover 0.5-12 GHz and features stable performance.

Features:

- Ultra Wide Band:0.5-12 GHz
- RF Power Handling:10W
- Limiting power:16 dBm
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

Electrical Characteristics:

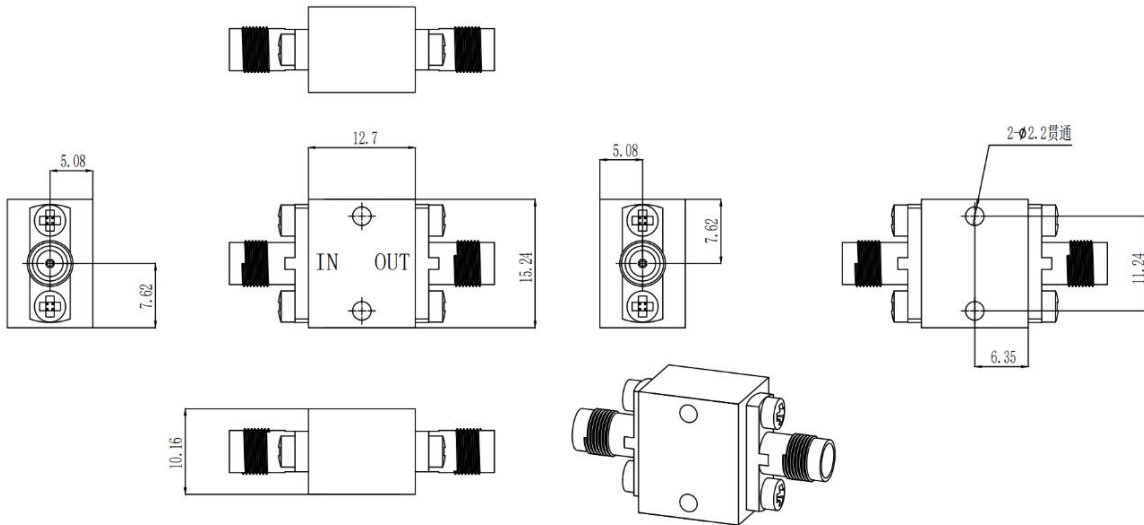
Parameter	Min	Typ	Max	Units
Frequency range	0.5-12			GHz
Insertion Loss		0.8	1.6	dB
Limiting power		16		dBm
Input VSWR		1.3	1.5	:1
Output VSWR		1.3	1.5	:1
Power handling	10W			
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Size	15.24*12.7*10.16	mm
Weight	/	g

Outline Drawing:

Unit:mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity	100% RH at 35c, 95%RH at 40°C			%
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
TLMT-0.5G12G-40-16	Power Limiter, 0.5-12GHz, Limiting power:16 dBm	Rev.1.1