泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Coaxial Detector

10MHz-110GHz/10dBm,Input Power

Model: TPSD10M110GP

The TPSD10M110GP is a coaxial detector designed to operate from 10 MHz to 110GHz. The RF input configuration offers coax adapter structure with 1.0mm male and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range: 10MHz-110 GHz
- Voltage sensitivity :600 V/W Typ
- High speed finline detector
- 50 Ohm Matched Input / Output

Applications:

- Electronic warfare
- Test&measurement
- System monitoring
- AM noise measurements
- leveling pulse signal sources

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	10MHz		110GHz	
Input Return Loss		-12		dB
Voltage Sensitivity		600		V/W
Max Input Power		10		dBm
Input Dynamic Range			-20	dBm
Impedance		50		Ohms

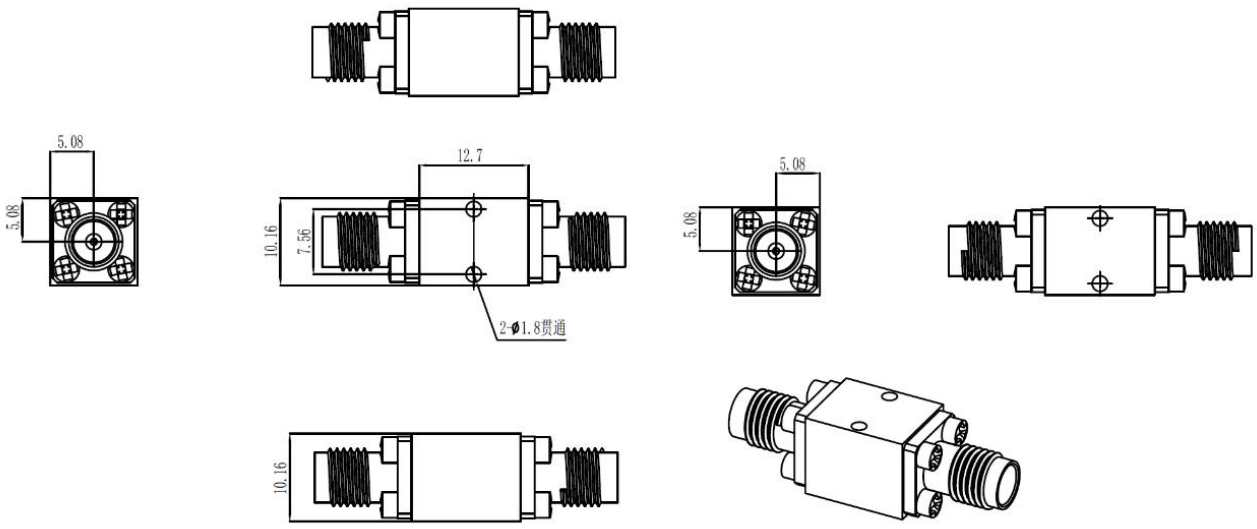
Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	1.0mm Female/SMA Female	
Size	12.7*10.16*10.16	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Environmental Conditions:

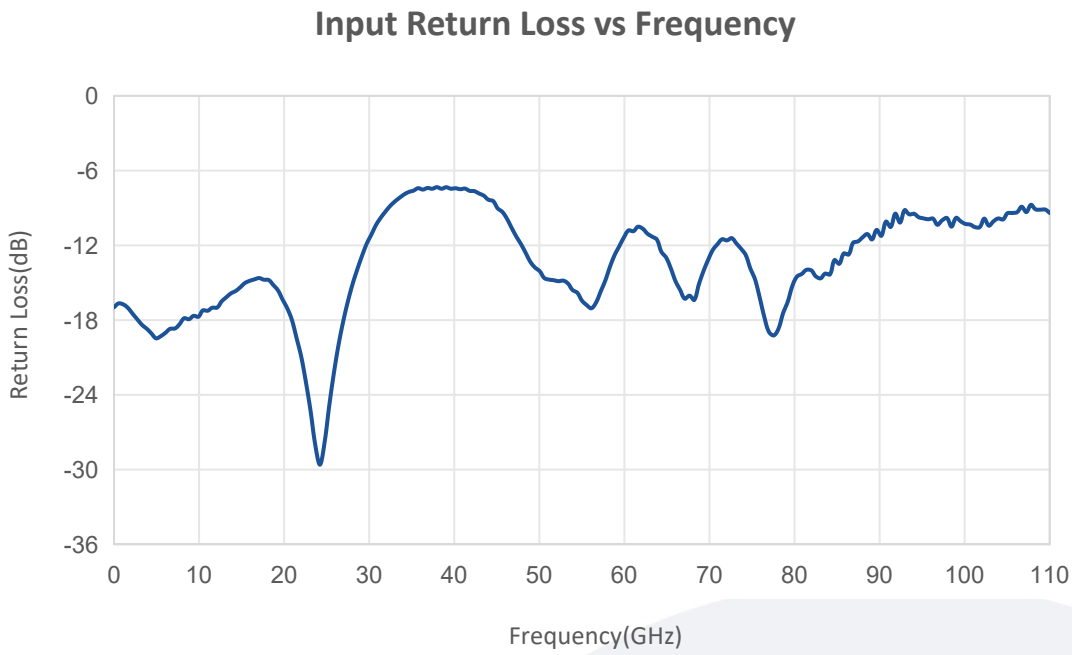
Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	℃
Non-operating Temperature	-55		+85	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

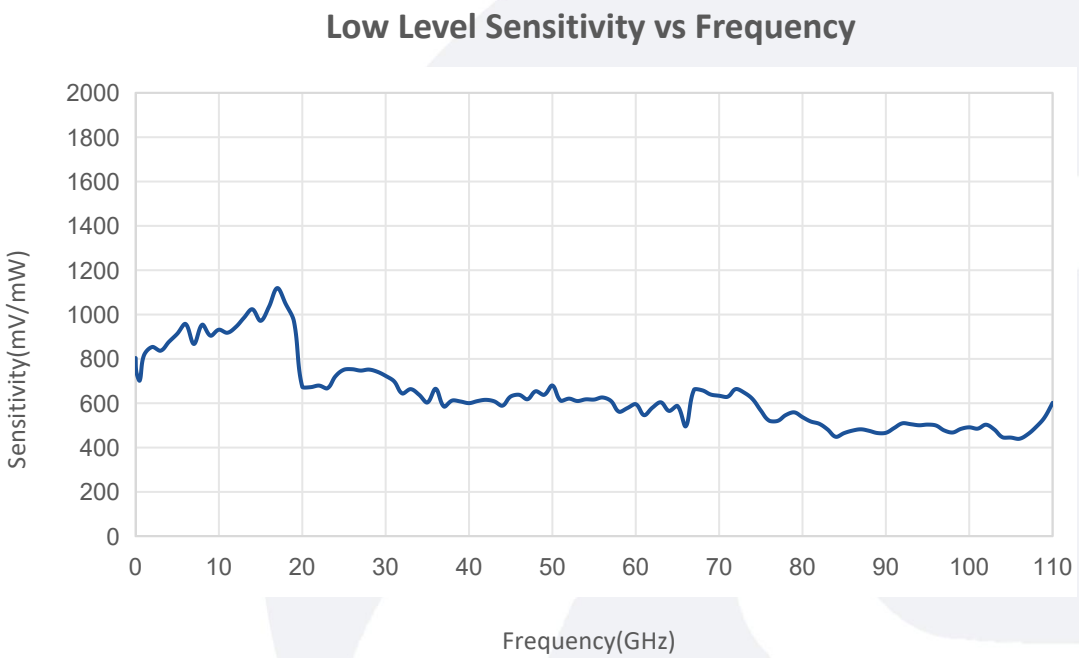
Ordering Information:

Base Number	Description	Revision
TPSD10M110GP	Coaxial Detector, 10MHz-110GHz, Voltage sensitivity :600 V/W Typ	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.