

Coaxial Detector

10MHz-40GHz /20 dBm,Input Power

Model: TPSD10M40GN2

The TPSD10M40GN2 is a coaxial detector designed to operate from 10 MHz to 40GHz. The RF input configuration offers coax adapter structure with 2.92mm male and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range:10 MHz-40 GHz
- Voltage sensitivity: 0.35 mV/uW 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:

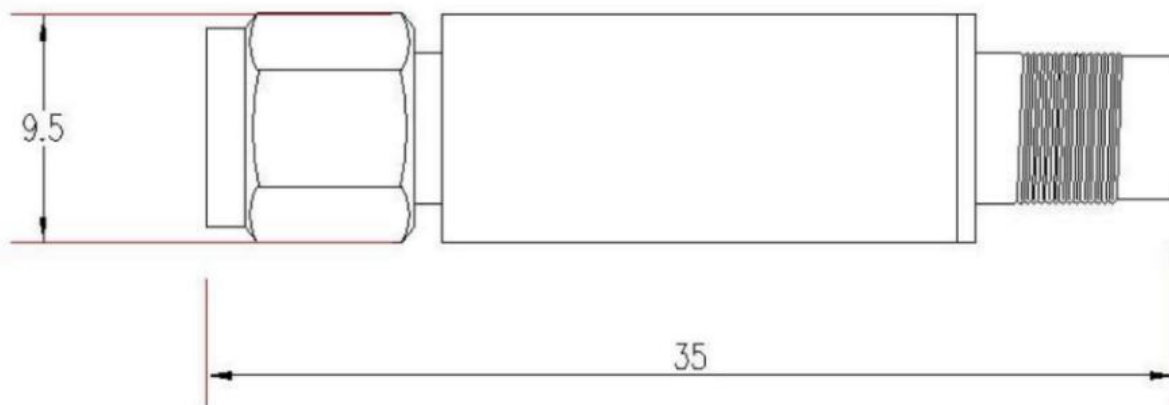
Parameter	Min	Typ	Max	Units
Frequency range	10MHz-40GHz			
VSWR		2		:1
Voltage Sensitivity		0.35		mV/uW
Input Power	-40		20	dBm
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
RF Input Connector	2.92mm Male	
Output Connector	SMA Female	
Body Material	Stainless Steel 303	
Center conductor	Becu, Golden	
Length	35	mm

Outline Drawing:

Unit:mm



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

Environmental Conditions:

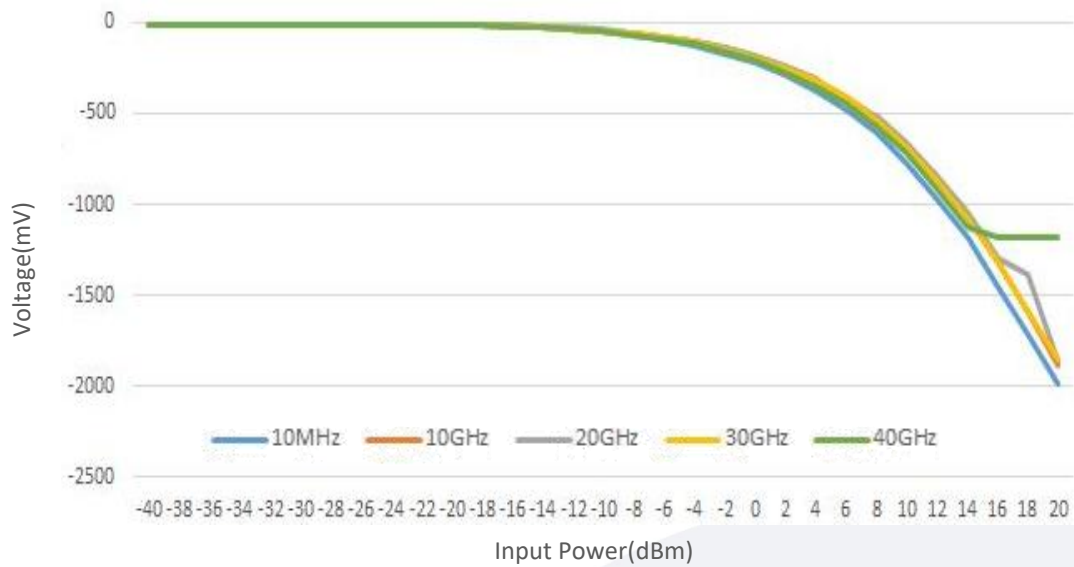
Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+70	°C
Non-operating Temperature	-40		+85	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Base Number	Description	Revision
TPSD10M40GN2	Coaxial Detector, 10MHz-40GHz, Voltage sensitivity :0.35 mV/uW Typ	Rev.1.1

Typical Performance Data:

Output Voltage vs Input Power



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.