

**Model:TMPM-110170-0210-06**
**Passive Frequency Tripler**  
**X2,110-170 GHz,10 dBm Output Power**
**Feature:**

- Output Frequency:110-170 GHz
- Output Power:10dBm Typ
- Low power consumption

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Output Frequency	110		170	GHz
Input Frequency	55		85	GHz
Output Power		10		dBm
Input Power		20	26	dBm
Multiply Factor		2		
Bias Voltage	0	-8	-10	V

**Mechanical Specifications:**

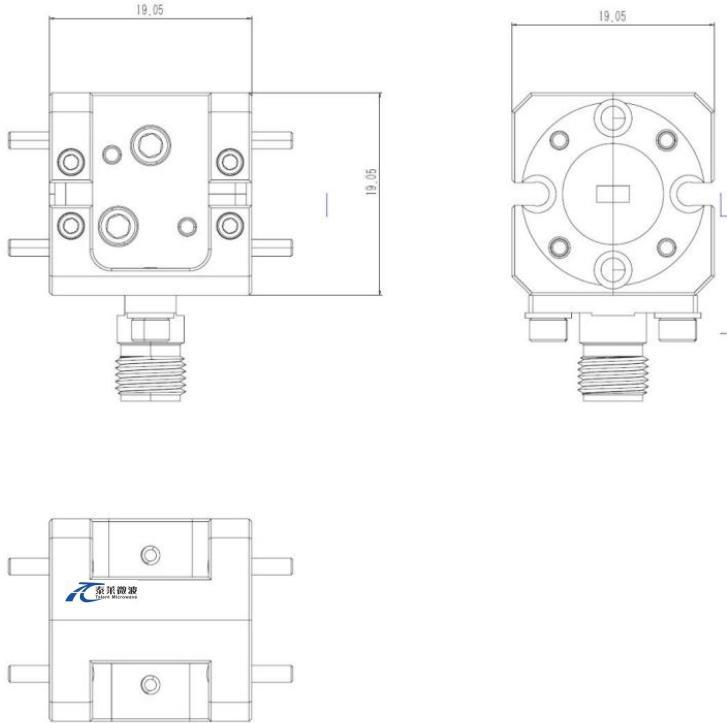
Parameter	Value	Units
Output Connector	WR-6/UG-387/U	
Input Connector	WR-12/UG-387/U	
Bias Connector	SMA Female	
Size	19.05*19.05*19.05	mm
Weight	45	g

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	26dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**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		95		%
Altitude	50,000			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:**

Part Number	Description	Revision
TMPM-110170-0210-06	Passive Frequency Tripler X2,110-170GHz, 10dBm Output Power,WR-06	Rev.1.1