

Model:TMPM-110170-0204-06
**Passive Frequency Tripler
 X2,110-170 GHz,2 dBm Output Power**
Feature:

- Output Frequency:110-170 GHz
- Output Power:2dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	110		170	GHz
Input Frequency	55		85	GHz
Output Power		2		dBm
Input Power		15		dBm
Multiply Factor		2		
Conversion Loss		13		dB

Mechanical Specifications:

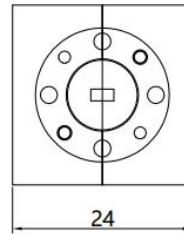
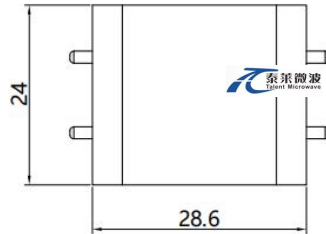
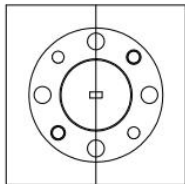
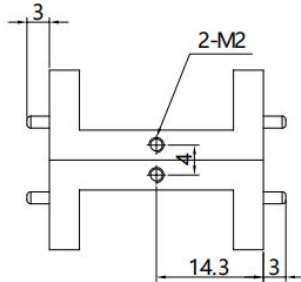
Parameter	Value	Units
Output Connector	WR-6/UG-387/U	
Input Connector	WR-12/UG-387/U	
Size	28.6*24*24	mm

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	22dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

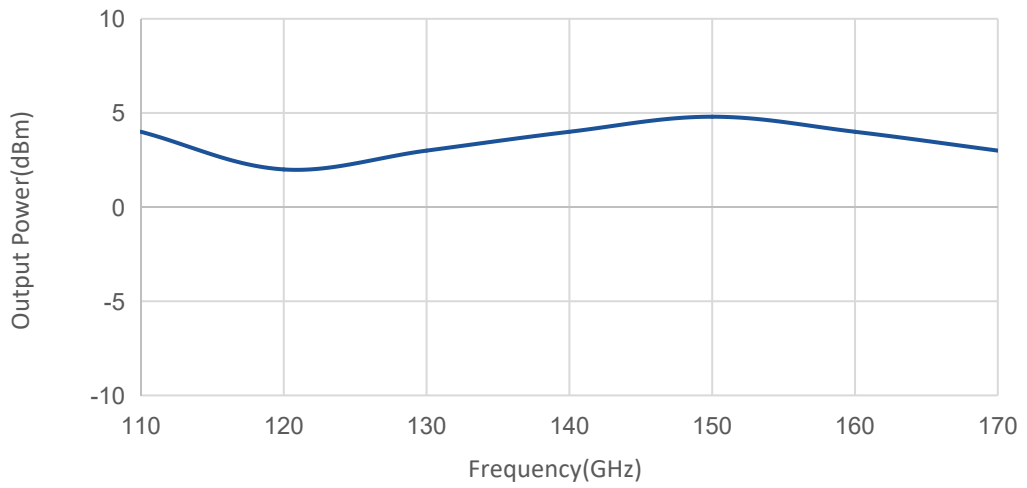
Parameter	Min	Typ	Max	Units
Operating Temperature	+10		+40	°C
Non-operating Temperature	0		+50	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TMPM-110170-0204-06	Passive Frequency Tripler X2,110-170GHz, 2dBm Output Power,WR-06	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Conversion Loss vs Frequency

