

**Model:TMPM-260400-0324-2.8**
**Passive Frequency Tripler  
 X3,260-400 GHz,2.4 dBm Output Power**
**Feature:**

- Output Frequency:260-400 GHz
- Output Power :2.4dBm Min
- Low power consumption

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Output Frequency	260		400	GHz
Input Frequency	86		134	GHz
Output Power	2.4			dBm
Input Power	10	20	22	dBm
Conversion Efficiency		2.2		%
Multiply Factor		3		

**Mechanical Specifications:**

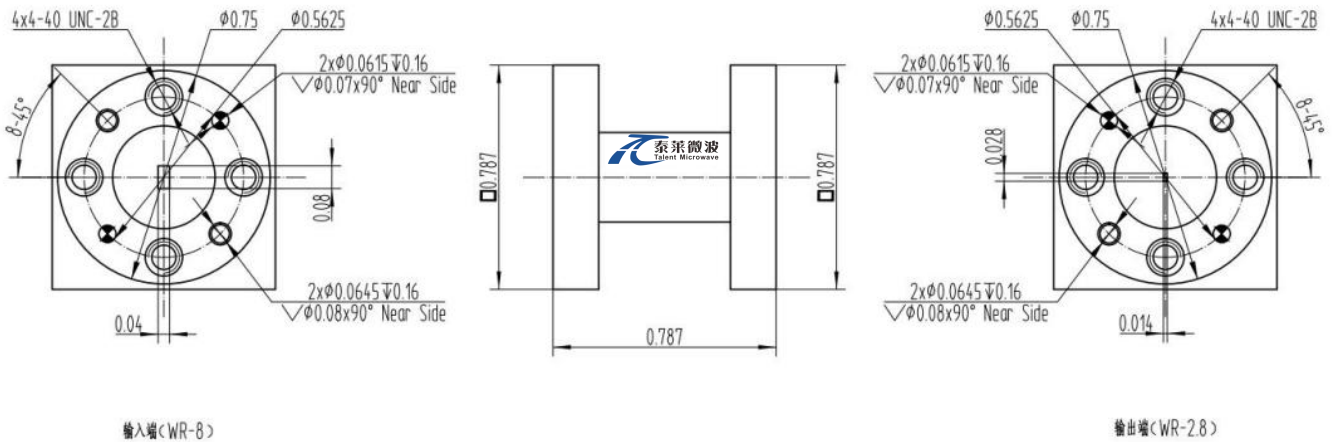
Parameter	Value	Units
Output Connector	WR-2.8/UG-387/U	
Input Connector	WR-8/UG-387/U	
Size	20*20*20	mm

**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	+24 dbm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

Environmental Conditions:

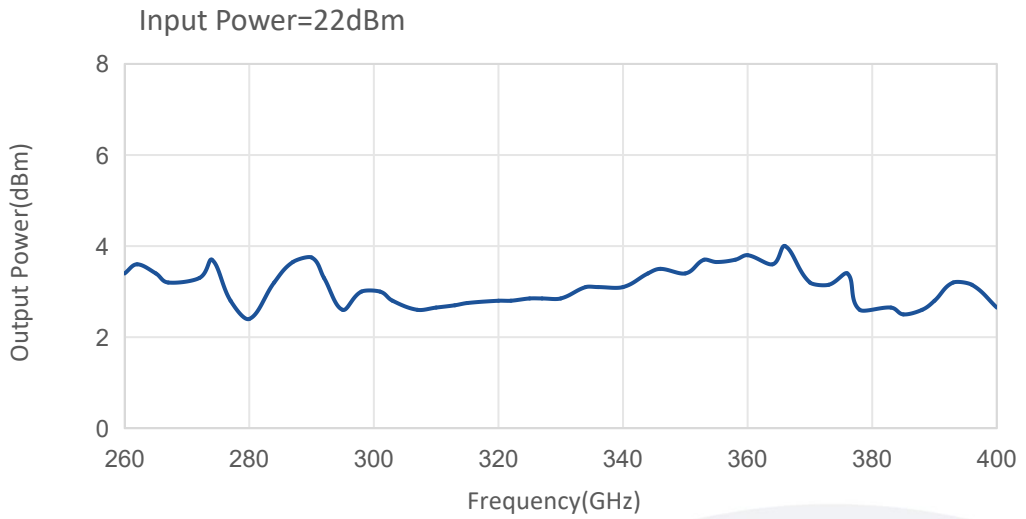
Parameter	Min	Typ	Max	Units
Operating Temperature	-55		+85	°C
Non-operating Temperature	-60		+150	°C
Relative humidity		95		%
Altitude		50,000		feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TMPM-260400-0324-2.8	Passive Frequency Tripler X3, 260-400GHz, 2.4dBm Output Power, WR-2.8	Rev.1.1

Typical Performance Data:

### Output Power vs Frequency



### Output Power vs Conversion Efficiency

