

Model:TMPM-220330-0302-3.4
**Passive Frequency Tripler
 X3,220-330 GHz,2 dBm Output Power**
Feature:

- Output Frequency:220-330 GHz
- Output Power :2dBm Min
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	220		330	GHz
Input Frequency	73		110	GHz
Output Power	2			dBm
Input Power	10	19	22	dBm
Multiply Factor		3		
Conversion Efficiency		3.2		%

Mechanical Specifications:

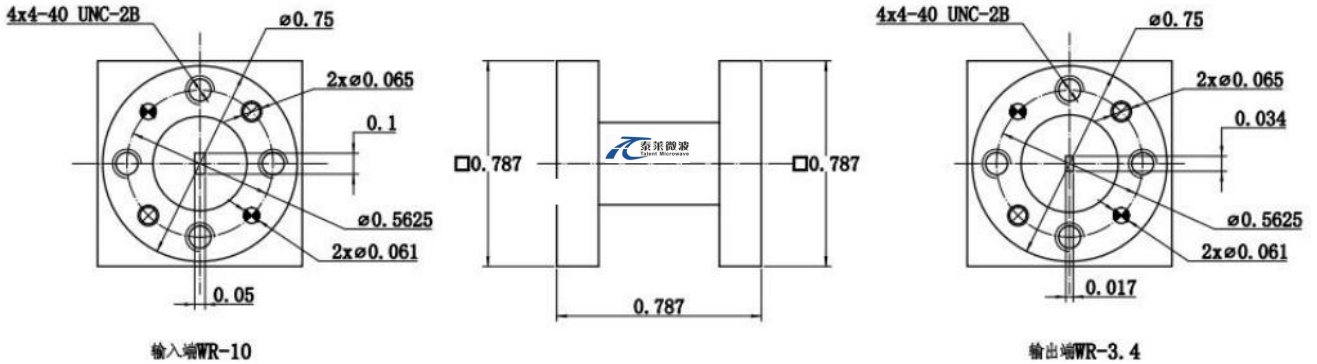
Parameter	Value	Units
Output Connector	WR-3.4/UG-387/U	
Input Connector	WR-10/UG-387/U	
Size	20*20*20	mm

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

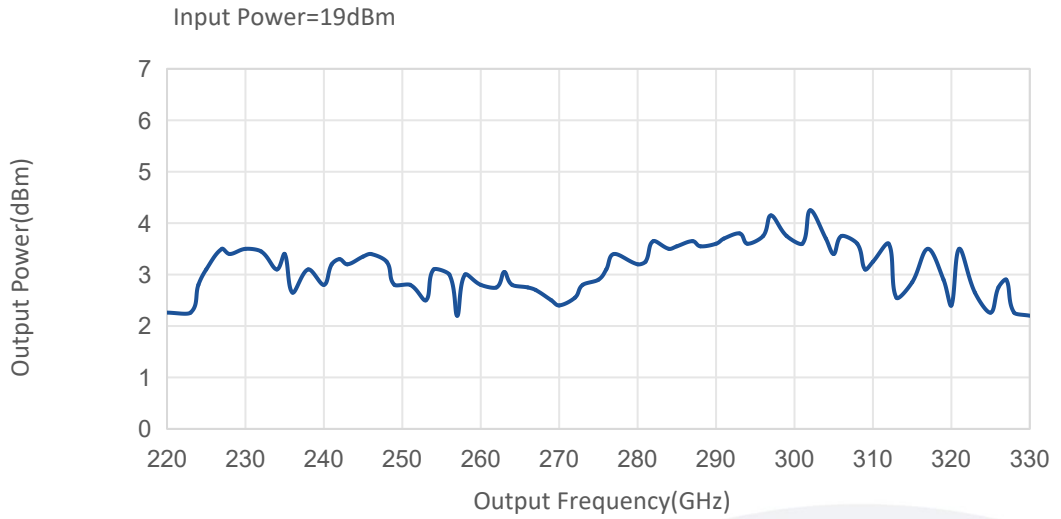
Parameter	Min	Typ	Max	Units
Operating Temperature	-55		+85	°C
Non-operating Temperature	-60		+150	°C
Relative humidity		95		%
Altitude		50,000		feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TMPM-220330-0302-3.4	Passive Frequency Tripler X3,220-330GHz, 2dBm Output Power,WR-3.4	Rev.1.1

Typical Performance Data:

Output Power vs Output Frequency



Output Power vs Input Power

