

**Model:TMPM-105170-0308-06**
**D-Band Passive Frequency Tripler  
 X3,105-170 GHz,8 dBm Output Power**
**Feature:**

- Output Frequency:105-170 GHz
- Output Power:8 dBm Typ
- Low power consumption

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Output Frequency	105		170	GHz
Input Frequency	35		57	GHz
Output Power		8		dBm
Input Power	19		23	dBm
Multiply Factor		3		
Conversion Efficiency		4		%

**Mechanical Specifications:**

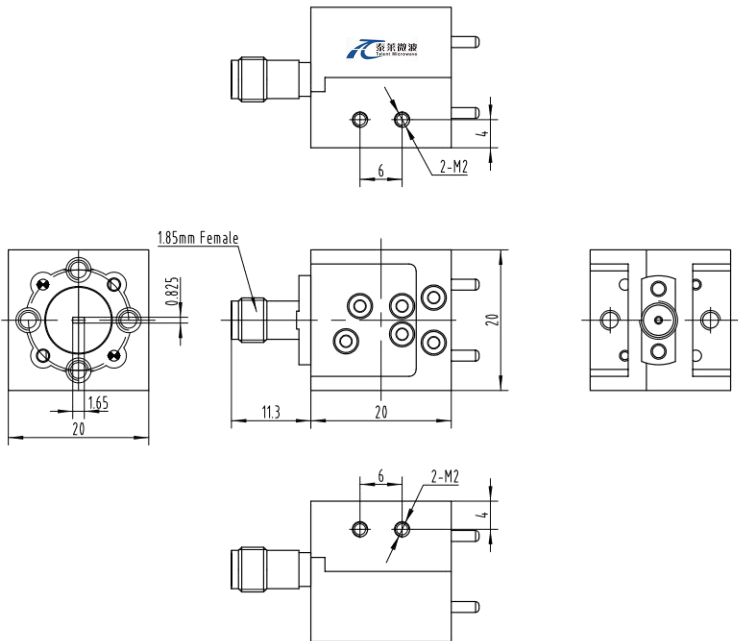
Parameter	Value	Units
Output Connector	WR-6/UG-387/U	
Input Connector	1.85mm Female	
Bias Connector	TBD	
Size	20*20*20	mm

**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  
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DEVICES

**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	-55		+85	°C
Non-operating Temperature	-60		+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-105170-0308-06	D-Band Passive Frequency Tripler X3,105-170GHz, 8 dBm Output Power,WR-06	Rev.1.1