

**Model:TMPM-110170-0207-06**
**D-Band Passive Frequency Doubler  
 X2,110-170 GHz, +7 dBm Output Power**
**Feature:**

- Output Frequency:110-170 GHz
- Output Power : 7dBm Typ
- Low power consumption

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Output Frequency	110		170	GHz
Output Power	6	7		dBm
Input Frequency	55		85	GHz
Input Power	17	18		dBm
Multiply Factor		2		
Conversion Efficiency	8	10		mA

**Mechanical Specifications:**

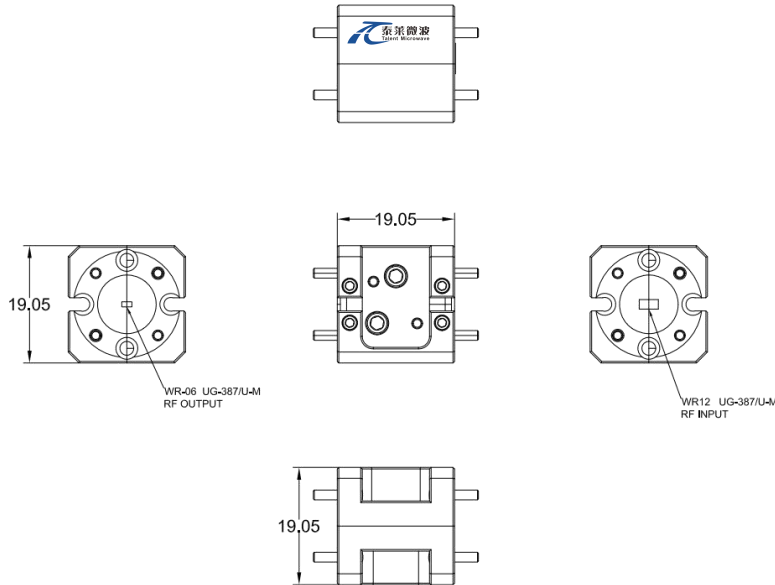
Parameter	Value	Units
Output Connector	WR-6/UG-387/U	
Input Connector	WR-12/ UG-387/U	
Material	Aluminum With Gold Plated	
Size	19.05*19.05*19.05	mm

**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	/
RF Input Power	+20 dbm
ESD sensitivity (HBM)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	0		+50	°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-110170-0207-06	D-Band Passive Frequency Doubler X2, 110-170 GHz ,7 dBm Output Power,WR-6	Rev.1.1