

**Model:TMPM-110170-0217-06**
**D-Band Passive Frequency Doubler  
 X2, 110-170 GHz ,17 dBm Output Power,**
**Feature:**

- Output Frequency: 110-170 GHz
- Output Power : 17dBm Typ
- Compactness, HighPower & Efficiency

**Electrical Specifications:**

Parameter	Min.	Typ.	Max.	Units
Output Frequency	110		170	GHz
Output Power		17		dBm
Input Frequency	55		85	GHz
Input Power			26	dBm
Multiply Factor		2		
Bis Voltage			-12	V

**Mechanical Specifications:**

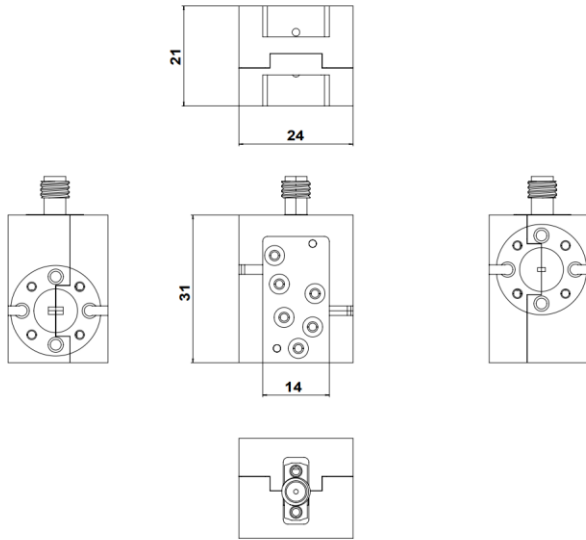
Parameter	Value	Units
Output Connector	WR-06/UG-387	
Input Connector	WR-12/UG-387	
Bias Connector	SMA Female	
Size	31×24×21	mm
Weight	45	g

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	+26 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**Environmental Conditions:**

Parameter	Min.	Typ.	Max.	单位Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+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-110170-0217-06	D-Band Passive Frequency Doubler X2, 110-170 GHz ,17 dBm Output Power, WR-06	Rev.1.1

Typical Performance Data:

