

Model:TMPM-085135-0308-08
**F-Band Passive Frequency Tripler
 X3,85-135 GHz,8 dBm Output Power**
Feature:

- Output Frequency: 85-135GHz
- Output Power : 8dBm Typ.
- Low power consumption

Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Output Frequency	85		135	GHz
Output Power		8		dBm
Input Frequency	28.33		45	GHz
Input Power	19	21	23	dBm
Multiply Factor		3		dB
Conversion Efficiency		4		%

Mechanical Specifications:

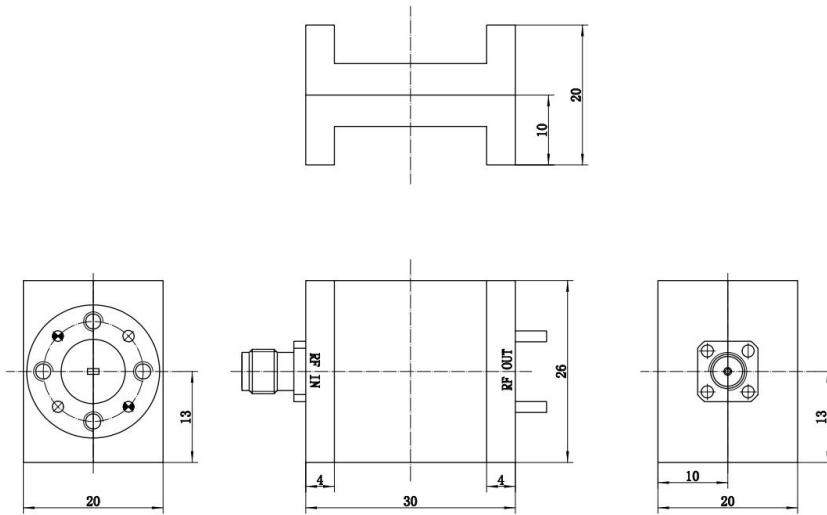
Parameter	Value	Units
Output Connector	WR-8/ UG-387/U	
Input Connector	2.4mm Female	
Bias	TBD	
Size	30×26×20	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	18V
RF INPUT POWER	7dBm
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	-10		+65	°C
Non-operating Temperature	-55		+85	°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-085135-0308-08	F-Band Passive Frequency Tripler X3,85-135 GHz,8 dBm Output Power, WR-08	Rev.1.1