

Model:TMAM-050075-0417-15

Active Frequency Multiplier, X4,50-75GHz, 17dBm Output Power

Feature:

- Output Frequency:50-75GHz
- Output Power :17dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	50		75	GHz
Output Power		17		dBm
Input Frequency	12.5		18.75	GHz
Input Power	3	5	7	dBm
Multiply Factor		4		Time
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		12		V
DC Supply Current		280		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-15/UG-385/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	50*28*23	mm

Absolute Maximum Ratings:

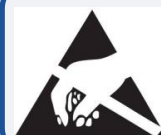
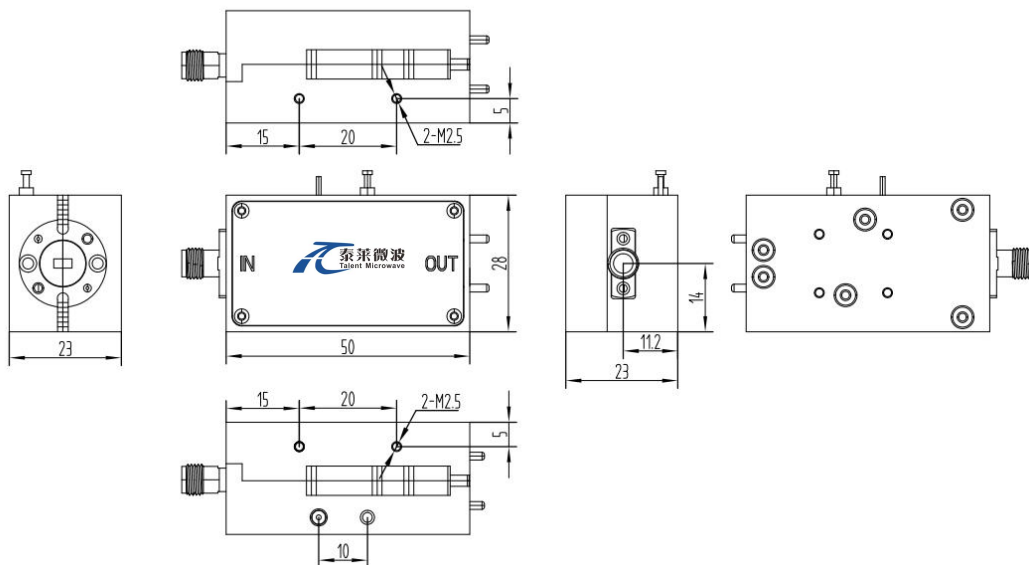
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-25		+75	°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
TMAM-050075-0417-15	Active Multiplier,X4,50-75GHz, Output Power:17dBm,WR-15/UG-385/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency

