

Model:TMAM-075110-0612-10

Active Frequency Multiplier, X6,75-110 GHz, 12 dBm Output Power

Feature:

- Output Frequency:75-110 GHz
- Output Power : 12 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	75		110	GHz
Output Power	10	12		dBm
Input Frequency	12.5		18.33	GHz
Input Power	3	5	7	dBm
Multiply Factor		6		
Harmonics		-20		dBc
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	12			V
DC Supply Current		130		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	46*28*23	mm

Absolute Maximum Ratings:

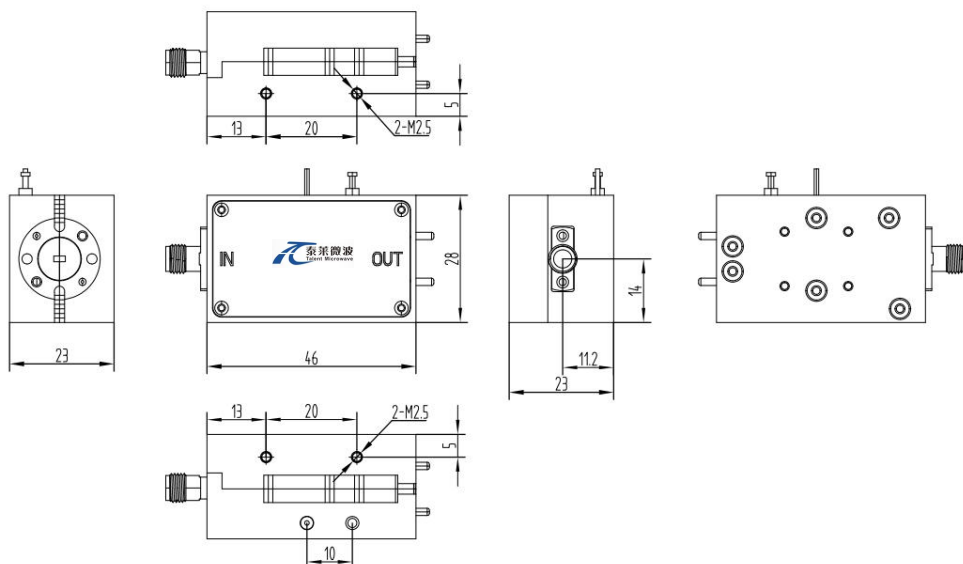
Parameter	Value
Supply Bias Voltage	13V
RF Input Power	10 dbm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

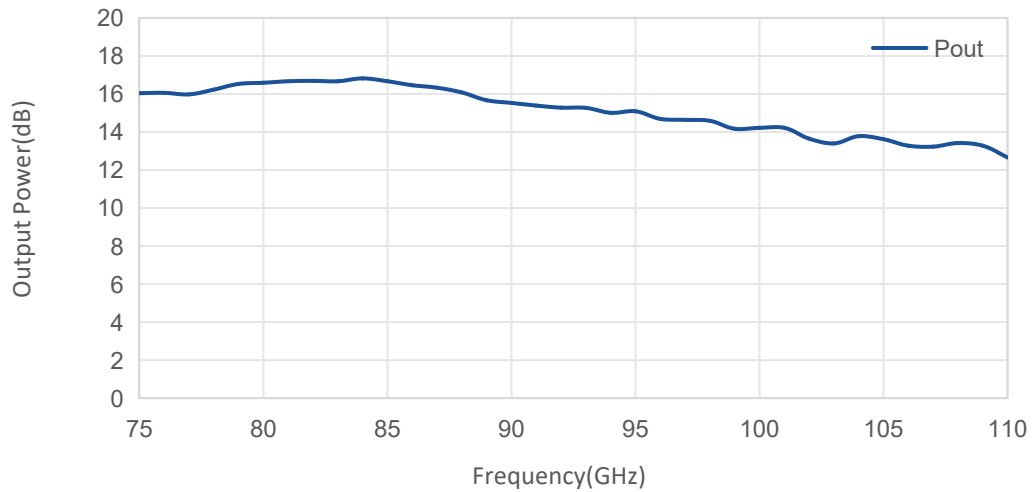
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-55		+85	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

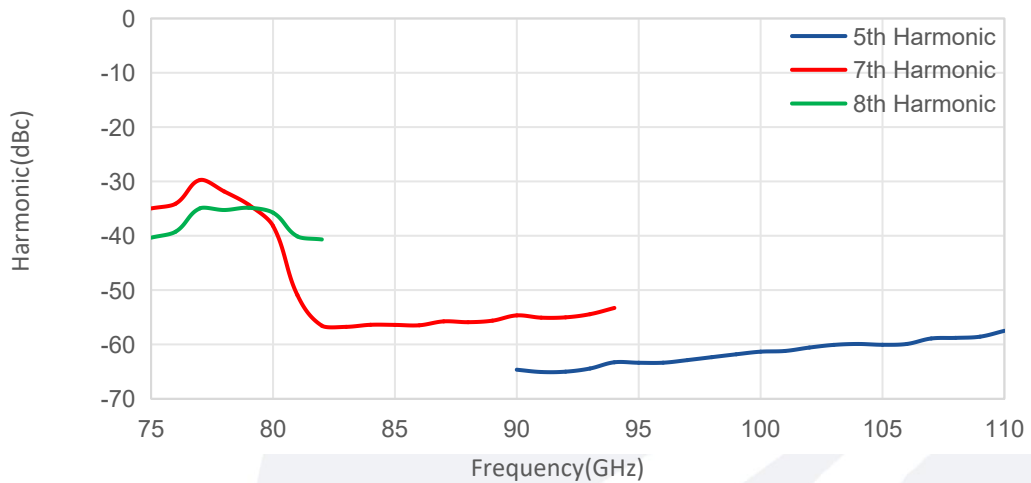
Part Number	Description	Revision
TMAM-075110-0612-10	Active Multiplier,X6,75-110GHz, Output Power:12dBm,WR-10/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Harmonic vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.