

Model:TMAM-075110-0312-10

Active Frequency Multiplier, X3,75-110 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	25		36.67	GHz
Input Power	1	3	5	dBm
Harmonic		25		dBc
Multiply Factor		3		
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		5.5		V
DC Supply Current		400		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	2.92mm Female	
DC Bias	Solder Pin	
Size	48*42*24	mm

Absolute Maximum Ratings:

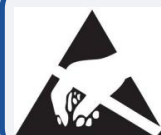
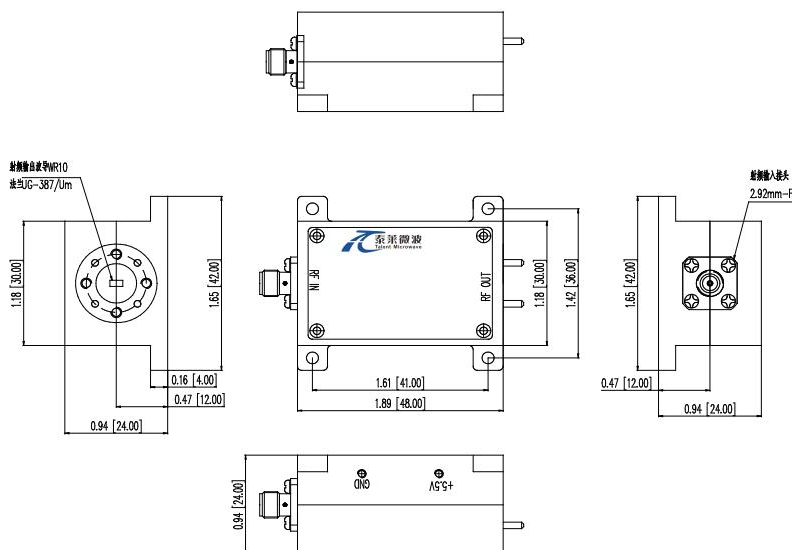
Parameter	Value
Supply Bias Voltage	6 V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

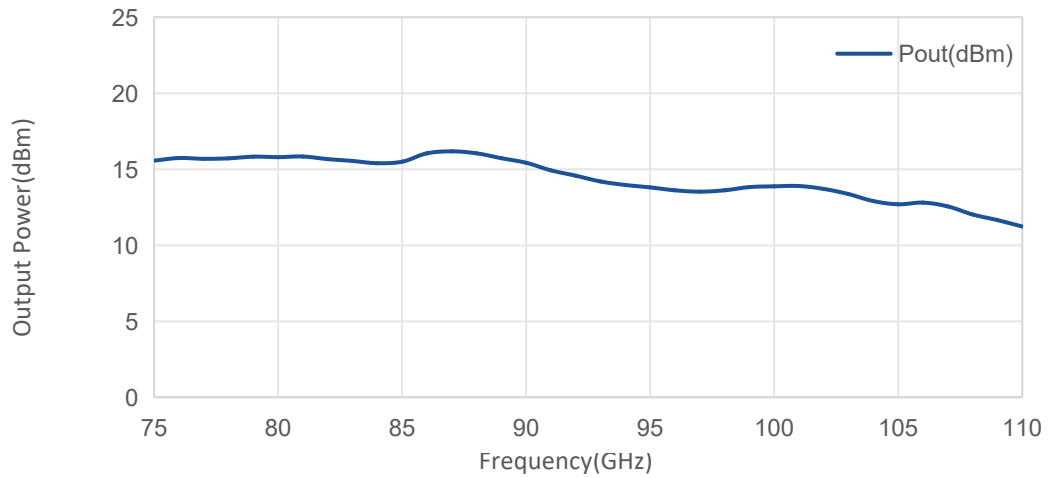
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-45		+85	°C
Relative humidity		95		%
Altitude		50,000		feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

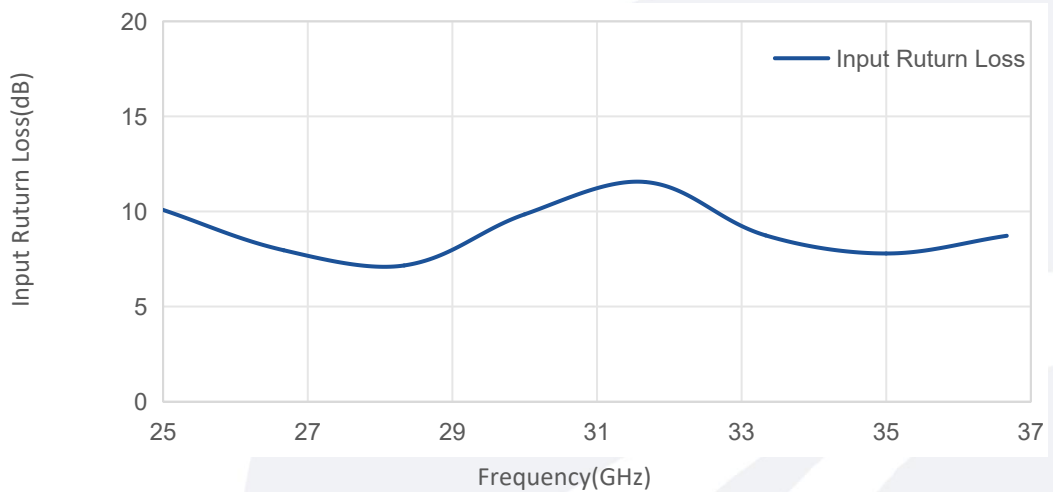
Part Number	Description	Revision
TMAM-075110-0312-10	Active Multiplier,X3,75-110GHz, Output Power:12dBm,WR-10/UG-387/U,2.92mm Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Input Return Loss vs Frequency



Harmonic Suppression vs Frequency

