

Model:TMAM-075090-0613-12

Active Frequency Multiplier, X6,75-90GHz, 14dBm Output Power

Feature:

- Output Frequency:75-90GHz
- Output Power :14 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	75		90	GHz
Output Power	13	14		dBm
Input Frequency	12.5		15	GHz
Input Power	0	1.5	3	dBm
Multiply Factor		6		Time
Input VSWR		2		:1
Output VSWR		2.2		:1
DC Voltage	5.5			V
DC Supply Current		250		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	58*35*24 (Without Heatsink) 58*47*40(With Heatsink)	mm

Absolute Maximum Ratings:

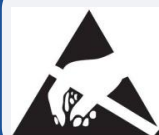
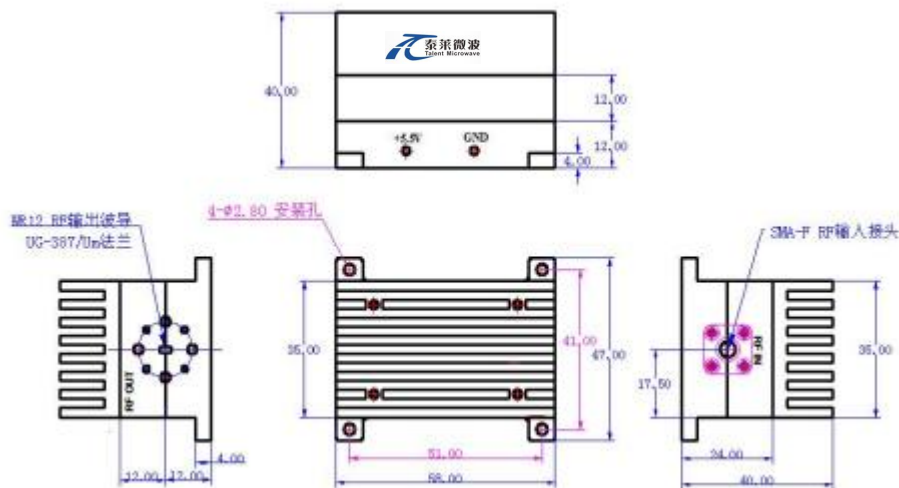
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	3dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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-075090-0613-12	Active Multiplier,X6,75-90GHz, Output Power:14dBm,WR-12/UG-387/U,SMA Female	Rev.1.1