

Model:TMAM-110140-0313-08

Active Frequency Multiplier, X3,110-140 GHz, 13 dBm Output Power

Feature:

- Output Frequency:110-140 GHz
- Output Power :13 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	110		140	GHz
Output Power	11.5	13		dBm
Input Frequency	36.66		46.7	GHz
Input Power	0	1.5	3	dBm
Multiply Factor		3		Time
DC Voltage	12			V
DC Supply Current		300		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-08/UG-387/U	
Input Connector	2.4mm Female	
DC Bias	Solder Pin	
Size	39*26*21	mm

Absolute Maximum Ratings:

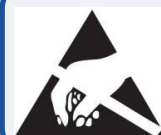
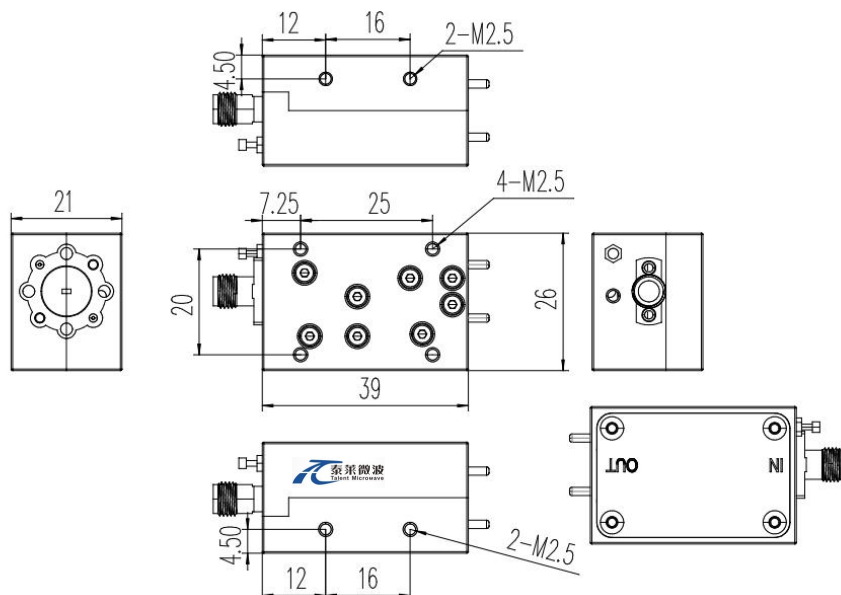
Parameter	Value
RF Input Power	+3 dbm
ESD sensitivity (Hbm)	Class 0, passed 150V



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	-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-110140-0313-08	Active Multiplier,X3,110-140GHz, Output Power:13 dBm,WR-08/UG-387/U,2.4mm Female	Rev.1.1