

Model:TMAM-086106-0813-10

Active Frequency Multiplier, X8,86-106GHz, 13dBm Output Power

Feature:

- Output Frequency:86-106GHz
- Output Power: 13dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	86		106	GHz
Output Power	12	13	16	dBm
Input Frequency	10.75		13.25	GHz
Input Power		2		dBm
Multiply Factor		8		
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	5			V
DC Supply Current		290		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	45*34*24	mm

Absolute Maximum Ratings:

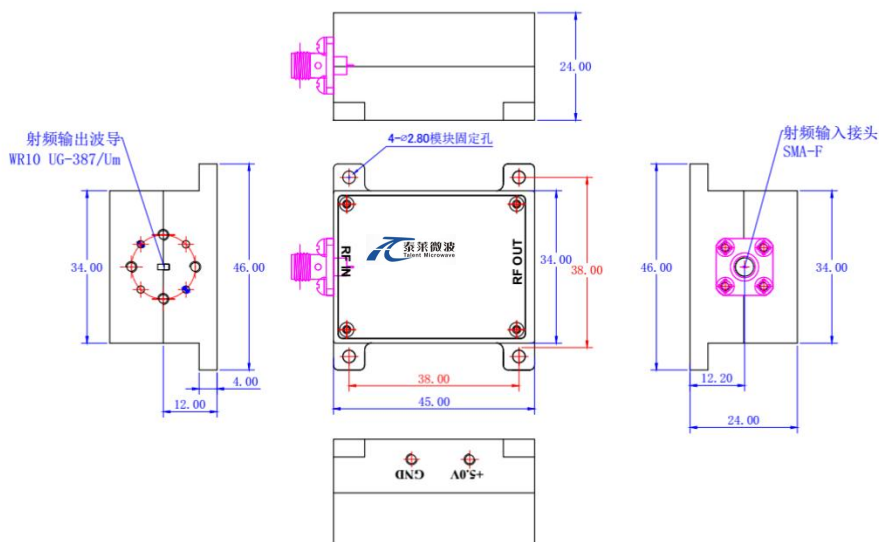
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

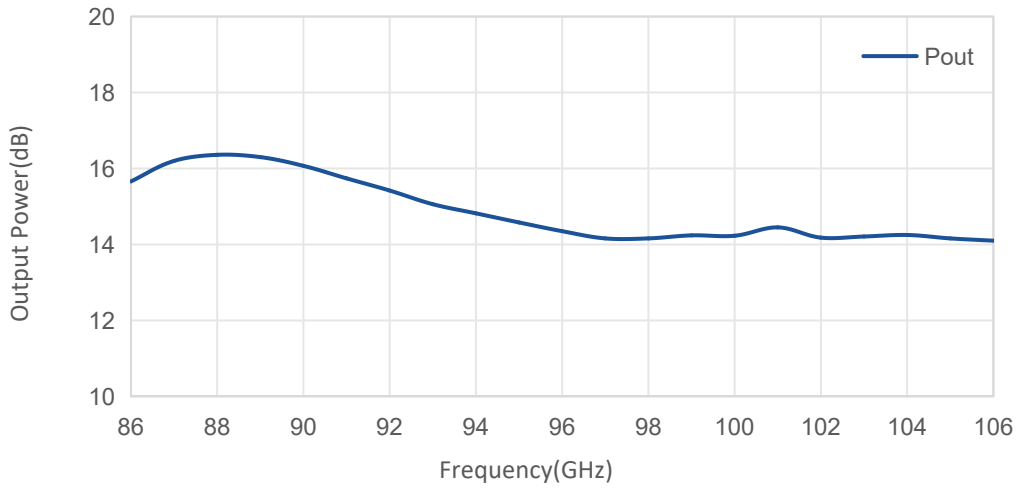
Parameter	Min	Typ	Max	Units
Operating Temperature	-25		+65	°C
Non-operating Temperature	-45		+85	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

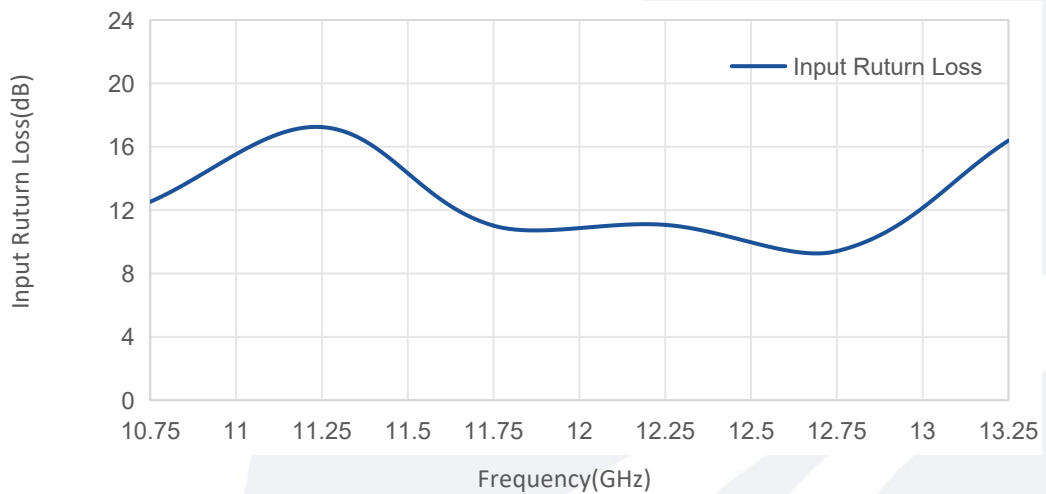
Part Number	Description	Revision
TMAM-086106-0813-10	Active Multiplier,X8,86-106GHz, Output Power:13dBm,WR-10/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Input Return Loss vs Frequency



Output Return Loss vs Frequency

