

Model:TMAM-075110-0618-10

W-Band Active Multiplier X6, 75-110 GHz ,16 dBm Output Power

Feature:

- Output Frequency: 75-110GHz
- Output Power : 16 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	75		110	GHz
Output Power	14	16		dBm
Input Frequency	12.5		18.33	GHz
Harmonics		-20		dBc
Input Power			10	dBm
Multiply Factor		6		Time
DC Voltage		+12		V
DC Supply Current		890		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	57.5*26*21	mm

Absolute Maximum Ratings:

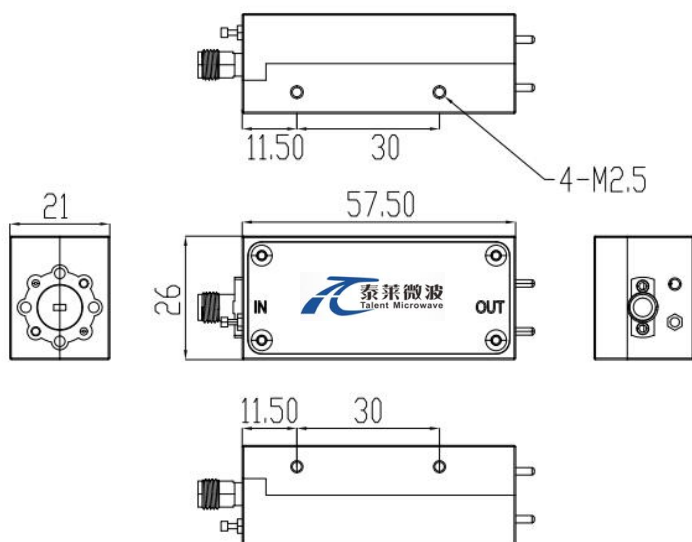
Parameter	Value
Supply Bias Voltage	+12 V
RF Input Power	+10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: Inches(mm)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

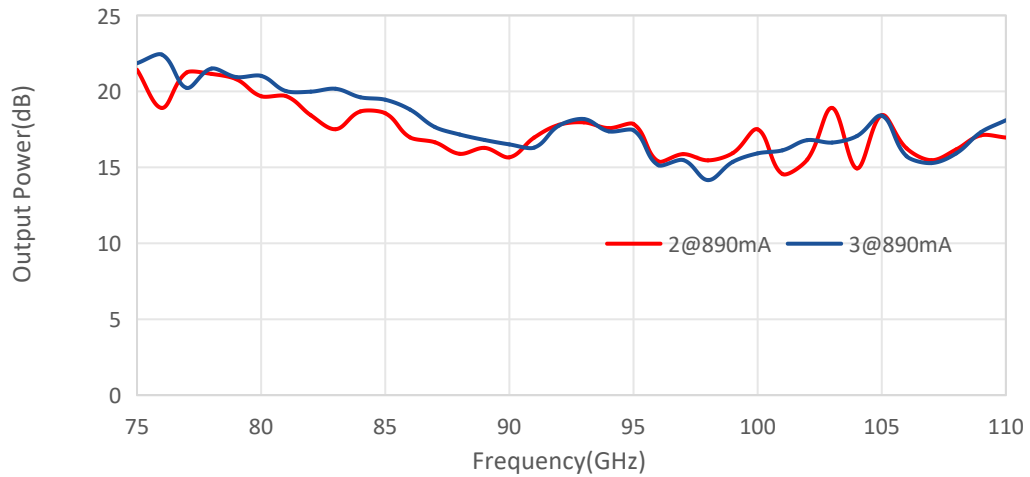
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-25		+75	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TMAM-075110-0618-10	Active Multiplier ,X6, 75-110 GHz ,Output Power:16 dBm, WR-10/UG-387/U, SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Harmonics vs Frequency

