

Model:TMAM-060090-0813-12

E-Band Active Multiplier

X8, 60-90 GHz, +13 dBm Output Power

Feature:

- Output Frequency:60-90 GHz
- Output Power : 13dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	60		90	GHz
Output Power		13		dBm
Input Frequency	7.5		11.25	GHz
Input Power	3	5	7	dBm
Harmonic Suppression		-15		dBc
Multiply Factor		8		
DC Voltage		12		V
DC Supply Current		320		mA

Mechanical Specifications:

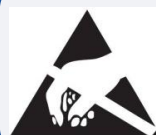
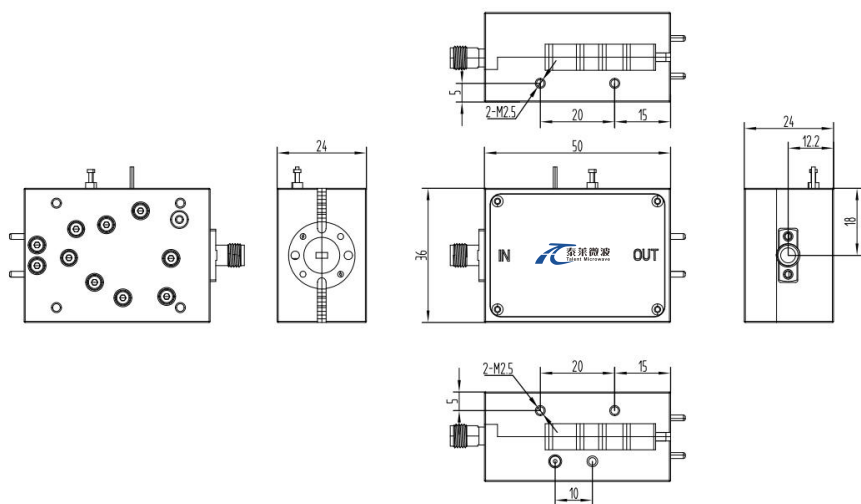
Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
Bias	Solder Pin	
Size	50*36*24	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15 V
RF Input Power	+10 dbm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

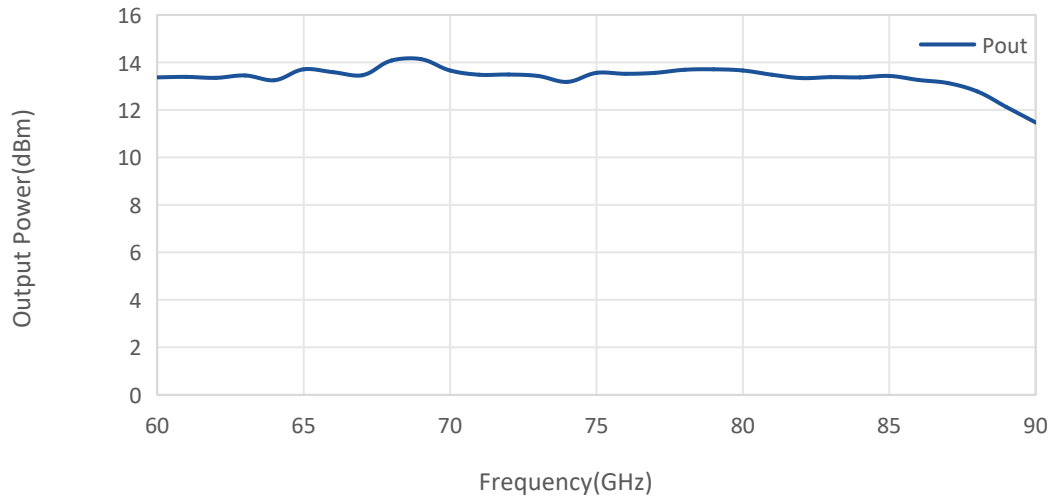
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-25		+75	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

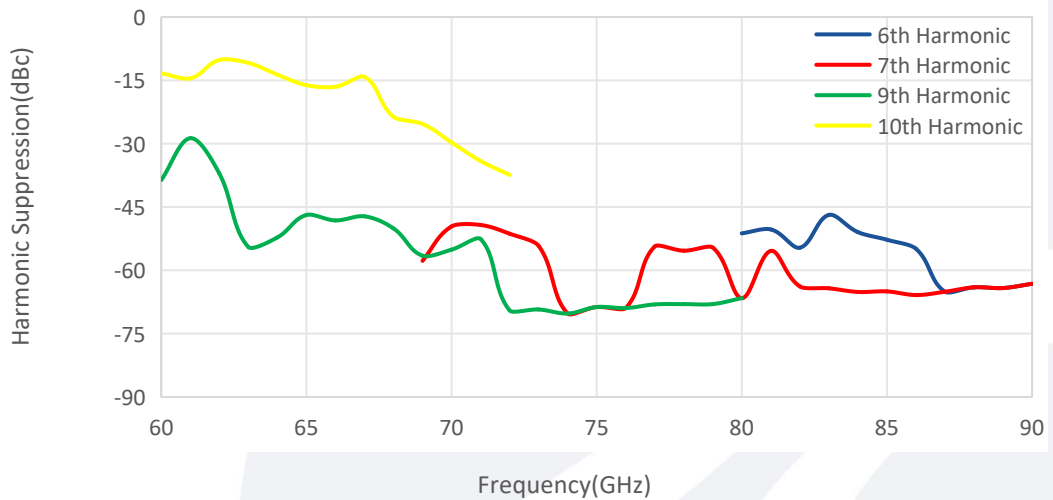
Part Number	Description	Revision
TMAM-060090-0813-12	Active Multiplier,X8,60-90GHz, Output Power:13dBm,WR-12/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency



Harmonic Suppression vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.