

Model:TMAM-090140-0803-08

F-Band Active Multiplier

X8, 90-140 GHz, +3 dBm Output Power

Feature:

- Output Frequency:90-140 GHz
- Output Power : 3dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	90		140	GHz
Output Power		3		dBm
Input Frequency	11.25		17.5	GHz
Input Power	3	5	7	dBm
Multiply Factor		8		
DC Voltage		12		V
DC Supply Current		200		mA

Mechanical Specifications:

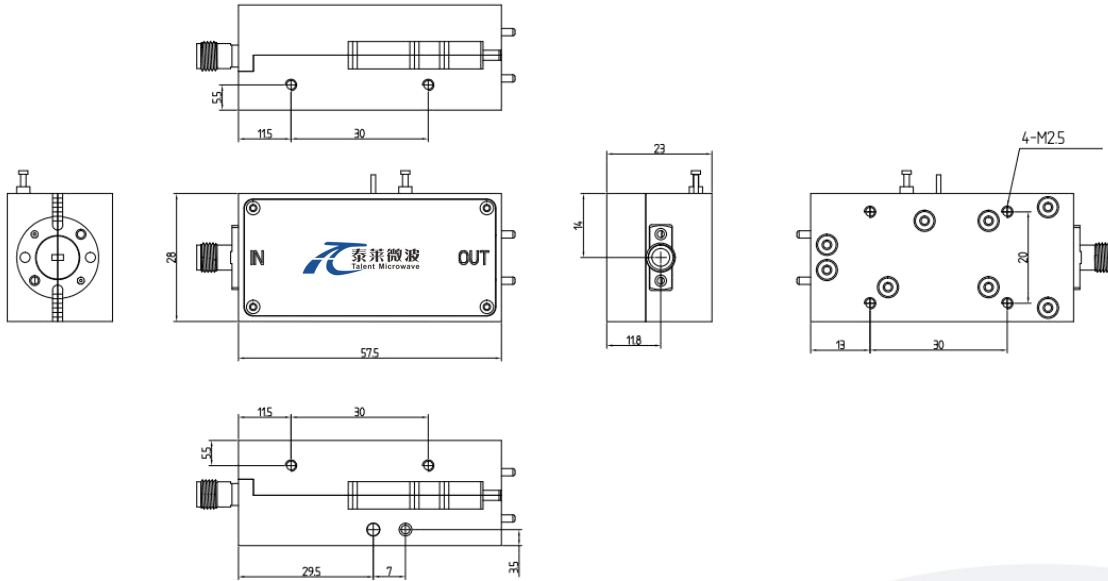
Parameter	Value	Units
Output Connector	WR-08/UG-387/U	
Input Connector	SMA Female	
Bias	Solder Pin	
Size	57.5*28*23	mm

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-090140-0803-08	Active Multiplier,X8,90-140GHz, Output Power:3dBm,WR-08/UG-387/U,SMA Female	Rev.1.1