

Model: TMPA-180260-1710-04
Power Amplifier
180-260GHz, Psat:10 dBm, Gain:17dB
Feature:

- Frequency Range: 180-260 GHz
- Gain:17 dB Type
- Output Power Psat: 10 dBm Type
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Frequency range	180-260			GHz
Gain		17		dB
Gain Flatness		±5		dB
Output Psat		10		dBm
Input VSWR		3.5		:1
Output VSWR		3		:1
DC Voltage		+12		V DC
DC Supply Current		250		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-04/UG-387/U	
Input Connector	WR-04/UG-387/U	
Bias	Solder Pin	
Case Material	Aluminum	
Finish	Gold Plated	
Size	35.2*30*23	mm
Weight	90	g

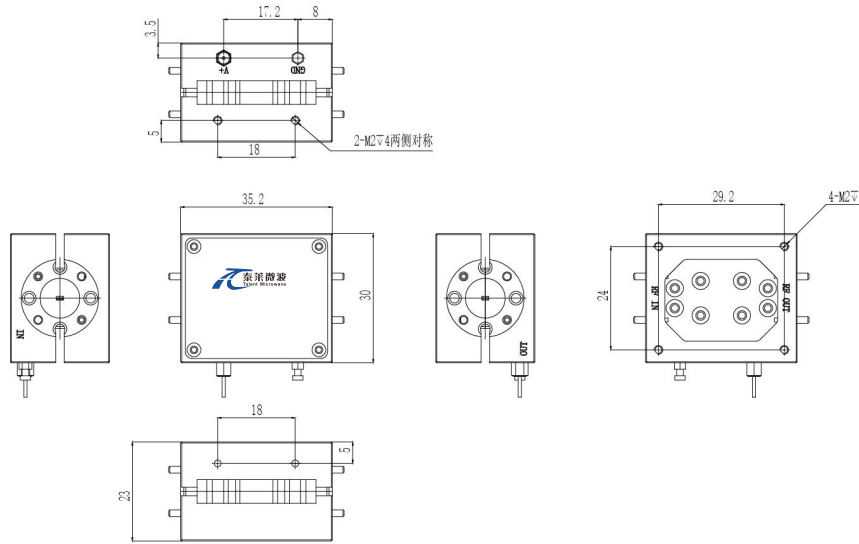

 Available 220V System
 Benchtop Amplifier

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15 V DC
RF Input Power	+16 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



Environmental Conditions:

Parameter	Min.	Typ.	Max.	单位Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°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
TMPA-180260-1710-04	Power Amplifier 180-260GHz, Psat:10 dBm, Gain:17dB,Without Heatsink	Rev.1.1
TMPA-180260-1710-04-HS	Power Amplifier 180-260GHz, Psat:10 dBm, Gain:17dB,With Heatsink	Rev.1.1