

Model: TMPA-085100-3826-10-E

Power Amplifier
85-100GHz, Gain:38 dB, Psat:24 dBm

Feature:

- Frequency Range: 85-100 GHz
- Gain:38 dB Type
- Output Power Psat:24 dBm Type
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	85-100			GHz
Small Signal Gain		38		dB
Gain Flatness		±3		dB
Output Psat		24		dBm
DC Voltage		8		V DC
DC Supply Current		1.2		A

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	38.1*27.94*19.05	mm
Weight	/	g

Absolute Maximum Ratings:

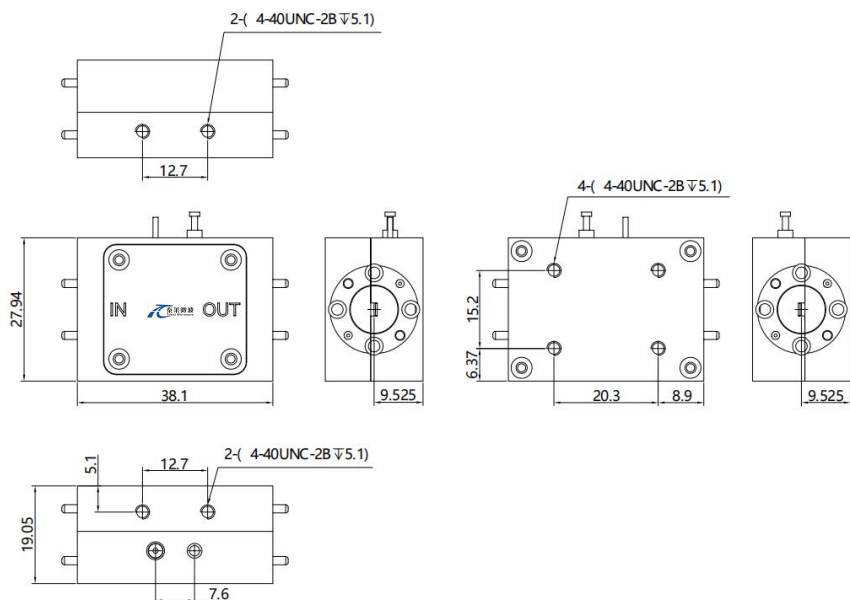
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	0 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

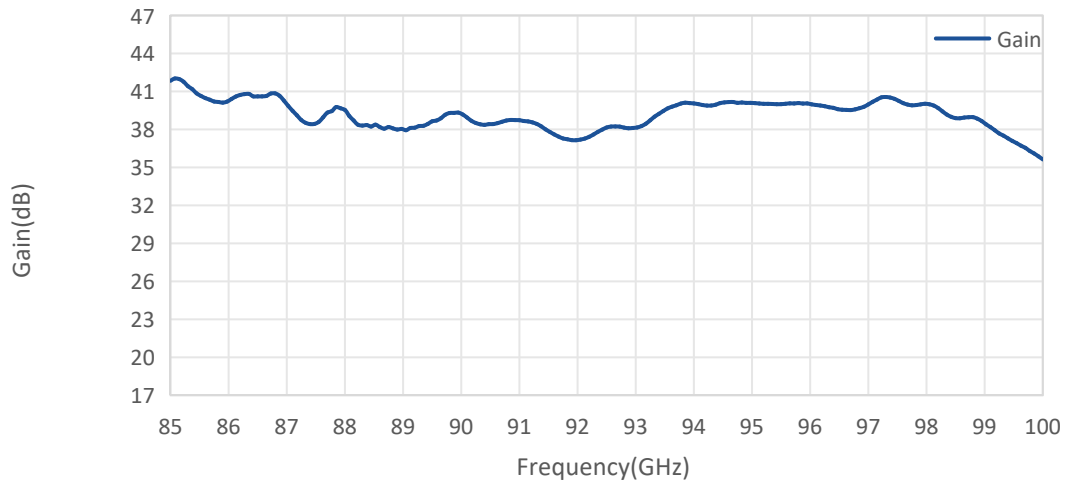
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

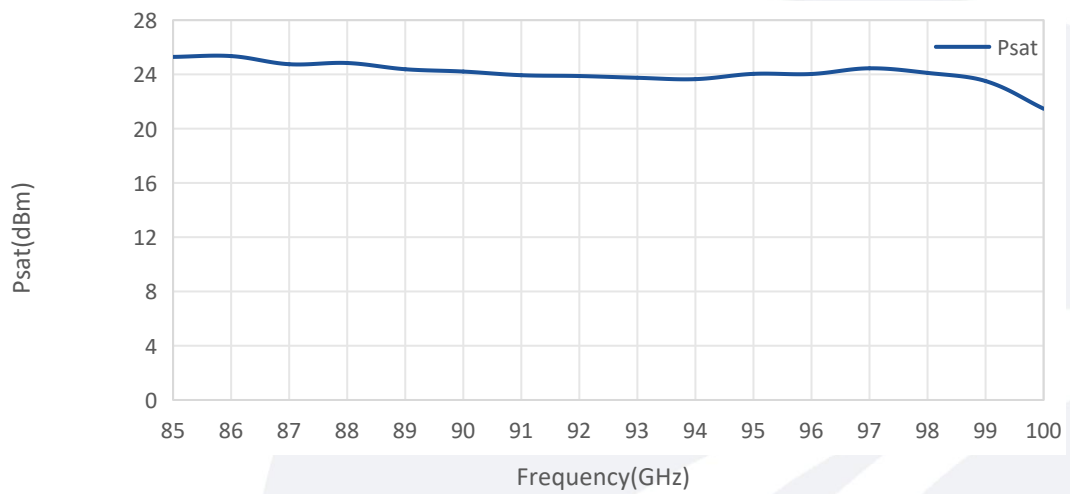
Part Number	Description	Revision
TMPA-085100-3826-10-E	Power Amplifier, 85-100 GHz, Gain:38 dB Type, Psat:24 dBm Type, +8V DC, WR-10	Rev.1.1

Typical Performance Data:

Gain vs Frequency



Psat 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.