

Model: TMPA-081086-1530-12
Power Amplifier
81-86 GHz, Gain:15 dB,Psat:30 dBm
Feature:

- Frequency Range:81-86 GHz
- Gain:15 dB Typ
- Output Power Psat:30 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	81-86			GHz
Gain		15		dB
Output Psat		30		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		16-18		V DC
DC Supply Current		1600		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	54*64*24(Without Heatsink) 60*70*80(With Heatsink)	mm
Weight	/	g

Absolute Maximum Ratings:

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


 Available 220V System
 Benchtop Amplifier

Outline Drawing:

Unit: mm(Inches)

Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-45		+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-081086-1530-12	Power Amplifier,81-86 GHz, Gain:15 dB Typ,Psat:30 dBm Typ,18V DC,WR-12	Rev.1.1