

Model:TLPA18G40G-30-30
Power Amplifier
18-40GHz,Gain:30dB,Psat:30dBm
Feature:

- Ultra Wide Band: 18-40 GHz
- Gain: 30 dB Min
- Psat Output Power: 30 dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	18-40			GHz
Gain	30			dB
Output Psat		30		dBm
Supurious			-50	dBc
Harmonic			-20	dBc
Input VSWR		2	2.5	:1
DC Voltage	+24			V DC
Power Consumption	20@Max			W
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92mm Female/2.92mm Female	
DC Bias	Solder Pin	
Size	60*65*11	mm
Weight	≤500	g

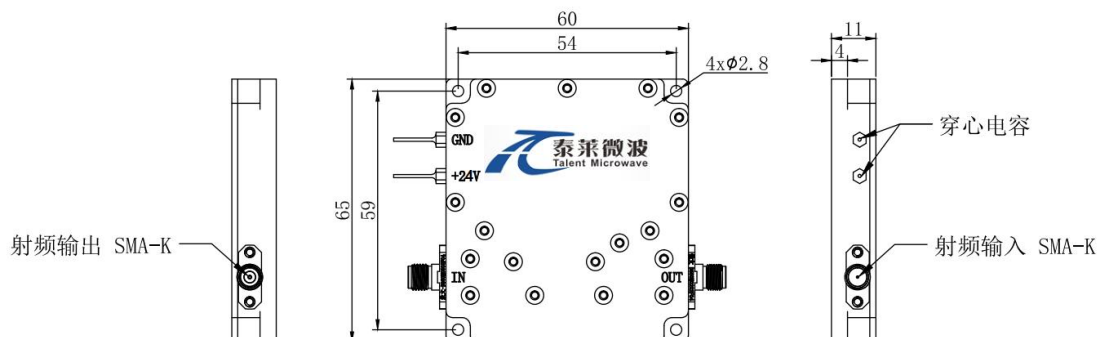
Absolute Maximum Ratings:

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


**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm



***Heat Sink Required During Operation



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+75	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA18G40G-30-30	Power amplifier 18-40GHz,Gain:30dB,Psat:30dBm, +24V DC,Without Heatsink	Rev.1.1
TLPA18G40G-30-30-HS	Power amplifier 18-40GHz,Gain:30dB,Psat:30dBm, +24V DC,With Heatsink	Rev.1.1