

**Model:TLPA26.5G40G-49-43-BC**
**Solid State High Power Amplifier Systems  
 26.5-40GHz, Gain:49dB, Psat:43dBm, 220V AC**
**Feature:**

- Wide Band: 26.5-40GHz
- Gain: 49dB Typ
- Psat Output Power:43dBm Typ
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output


**Electrical Specifications:**

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	26.5-40			GHz
Gain	GP	46	49		dB
Gain flatness	$\Delta$ GL		$\pm 4.5$		dB
Output P1dB	P1dB	40			dBm
Output Psat	Psat		43		dBm
Spurious	Spur			-50	dBc
Harmonics	HAM			-20	dBc
Input VSWR	VSWRin		2	2.5	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	300@Max			Watts
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

Parameter	Value	Units
Input/Output Connector	2.92 Female/WR28	
AC Power Interface	Air switch	
Size	19 Inch 4U	
Weight	30	Kg

**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	260V AC
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Key Features:**



Parameter	Advantages
Control	RS422/LAN
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1, Power setting On/Off 2,ALC
Cooling system	Built in Cooling system,forced air cooling

**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-45		+65	°C
Relative humidity		95		%
Altitude	50000			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
TLPA26.5G40G-49-43-BC	Solid State High Power Amplifier Systems 26.5-40GHz,Gain:49dB,Psat:43dBm,220V AC,Built in Fan Cooling	Rev.1.0