

Model:TLPA26.5G40G-51-52-BC

Solid State High Power Amplifier Systems 26.5-40GHz, Gain:51dB, Psat:52dBm, 220V AC

Feature:

- Wide Band: 26.5-40GHz
- Gain: 51dB Min
- Psat Output Power:52dBm 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	51			dB
Gain flatness	Δ GL		\pm 4.5		dB
Output Psat	Psat		52		dBm
Output P1dB	P1dB	50			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	1850@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	2.92 Female/WR-28	
AC Power Interface	Air switch	
Size	19 Inch 6U	mm
Weight	35	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,Psat Adjust
Cooling system	Built in Cooling system,forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature*	-20		+40	°C
Non-operating Temperature*	-30		+50	°C
Relative humidity		95		%
Altitude	10000			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			

*Note: For a wider temperature range, please consult the manufacturer.

Ordering Information:

Part Number	Description	Revision
TLPA26.5G40G-51-52-BC	Solid State High Power Amplifier Systems 26.5-40GHz, Gain:51dB, Psat:52dBm, 220V AC, Built in Fan Cooling	Rev.1.0