

**Model:TLPA0.5G6G-40-40-BC**
**Solid State High Power Amplifier Systems  
 0.5-6GHz,Gain:40dB,Psat:40 dBm,220V AC**
**Feature:**

- Wide Band: 0.5-6GHz
- Gain: 40dB Min
- Psat Output Power:40dBm Min
- 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	0.5-6			GHz
Gain	GP	40			dB
Gain flatness	$\Delta$ GL		$\pm 3.5$		dB
Output Psat	Psat	40			dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-10		dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	150@Max			Watts
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Communication Interfaces	RJ45/DB9	
Size	19 Inch 2U depth	mm
Weight	20	Kg

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	10 dBm
ESD sensitivity (HBM)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Key Features:**



Parameter	Advantages
Display functions	With output power display functions
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	RS422/LAN,LCD Screen Display
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
TLPA0.5G6G-40-40-BC	Solid State High Power Amplifier Systems 0.5-6GHz,Gain:40dB,Psat:40 dBm,220V AC,Built in Fan Cooling	Rev.1.0