

**Model:TLPA0.7G6G-50-50-BC**
**Solid State High Power Amplifier Systems  
 0.7-6GHz,Gain:50dB,Psat:50 dBm**
**Feature:**

- Wide Band: 0.7-6GHz
- Gain: 50dB Min
- Psat Output Power:50dBm 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	0.7-6			GHz
Gain	GP	50			dB
Gain flatness	$\Delta$ GL		$\pm 3.5$		dB
Output Psat	Psat	50	51		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
AC Input Power	Pdiss	1800@Max			Watts
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	N Female/N Female	
Network port Communication	RJ-45	
Size	4U*550 depth	mm
Weight	35	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	特点 Advantages
Control functions	1, Power setting On/Off 2, ALC automatic level control
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Communication functions	RS422/Ethernet
Cooling system	Built in Cooling system, forced air cooling

### Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+85	°C
Relative humidity		95		%
Altitude	15000			feet
Shock / Vibration(MIL-STD- 810F)	Normal Truck Trans			

### Ordering Information:

Part Number	Description	Revision
TLPA0.7G6G-50-50-BC	Solid State High Power Amplifier Systems 0.7-6GHz,Gain:50dB,Psat:51 dBm,220V AC,Built in Fan Cooling	Rev.1.0