

Model:TLPA0.5G6G-56-54-BC

Solid State High Power Amplifier Systems 0.5-6GHz,Gain:56dB,Psat:54 dBm,220V AC

Feature:

- Wide Band: 0.5-6GHz
- Gain: 56dB Min
- Psat Output Power:54dBm 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	56			dB
Gain flatness	Δ GL		± 3		dB
Output Psat	Psat	54			dBm
Output P1dB	P1dB		49		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	2000@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Forward/Reverse Coupling Connector	SMA Female/SMA Female	
Front Panel LCD Screen Display	7 inch LCD Screen Display	
Communication Interfaces	RJ45/DB9	
Size	19 Inch 5U,550mm depth	
Weight	50	Kg

Absolute Maximum Ratings:

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

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-56-54-BC	Solid State High Power Amplifier Systems 0.5-6GHz,Gain:56dB,Psat:54 dBm,2200V AC,Built in Fan Cooling	Rev.1.0