

## Model:TLPA7G11G-57-57-BC

## Solid State High Power Amplifier Systems 7-11GHz,Gain:57dB,Psat:57 dBm,220V AC

### Feature:

- Wide Band: 7-11GHz
- Gain: 57dB Min
- Psat Output Power:57dBm 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	7-11			GHz
Gain	GP	57			dB
Gain flatness	$\Delta$ GL		$\pm 4.5$		dB
Output Psat	Psat	57			dBm
Spurious@Pout=57dBm	Spur			-60	dBc
Harmonics@Pout=57dBm	HAM			-40	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	200	220	240	V AC
Power Consumption	Pdiss	5500@Max			W
Impedance	I/O-IMP	50			Ohms

### Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	N Female/WR-112	
Forward/Reversion Coupling	SMA Female/SMA Female	
Communication Connector	DB9/RJ45	
Front Panel LCD Screen Display	7 inch LCD Screen Display	
Size	12U*800 depth	mm
Weight	$\leq 70$	Kg

### Absolute Maximum Ratings:

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



### Environmental Conditions:

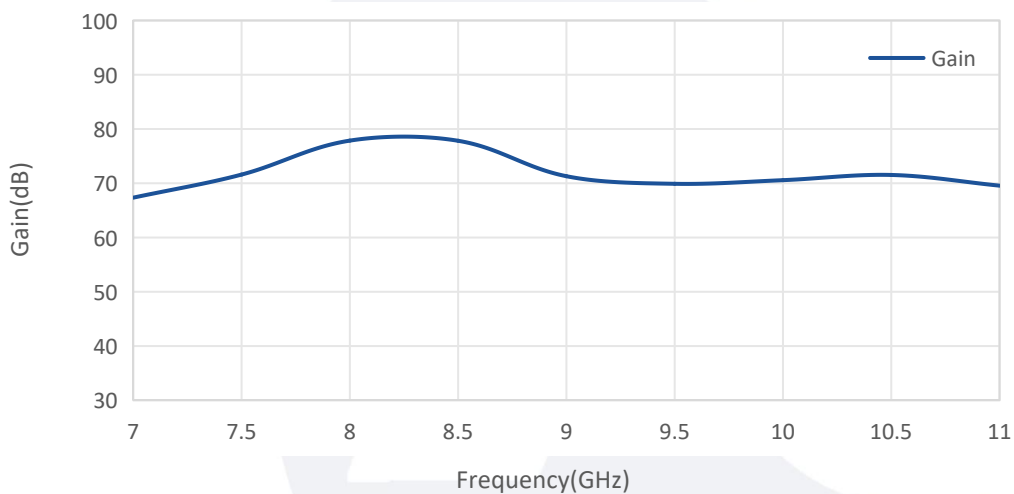
Parameter	Min	Typ	Max	Units
Operating Temperature	0		+40	°C
Non-operating Temperature	-20		+55	°C
Relative humidity		95		%
Altitude	50000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

### Ordering Information:

Part Number	Description	Revision
TLPA7G11G-57-57-BC	Solid State High Power Amplifier Systems 7-11GHz,Gain:57dB,Psat:57 dBm,220V AC,Built in Fan Cooling	Rev.1.0

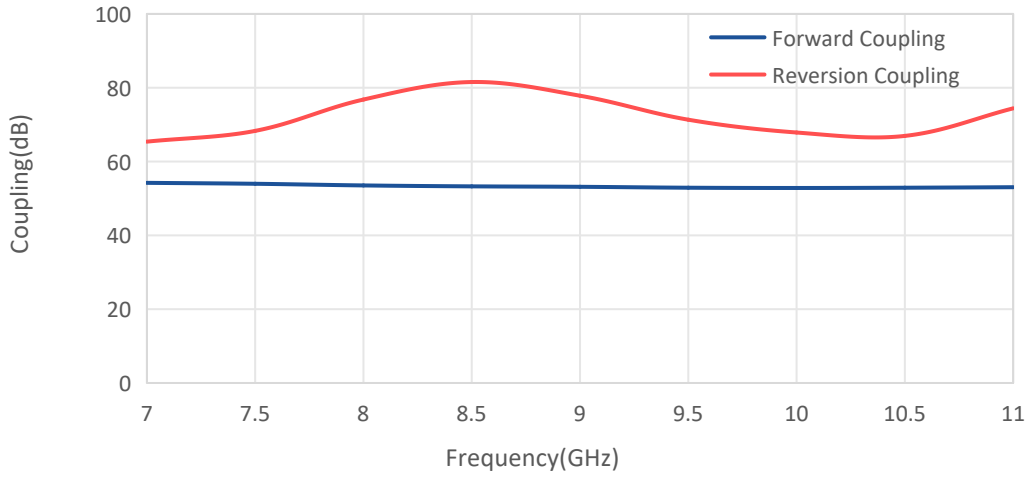
### Typical Performance Data:

Gain vs Frequency

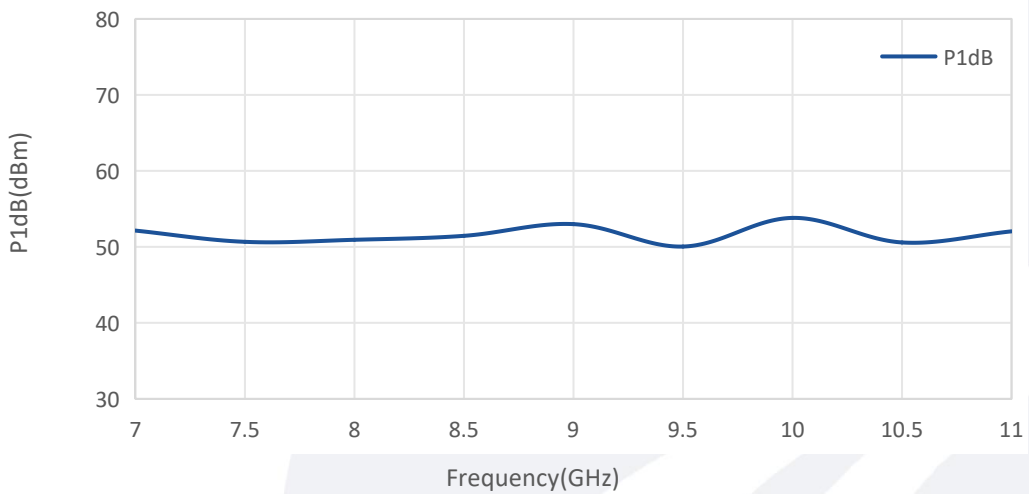


Typical Performance Data:

**Coupling vs Frequency**



**P1dB vs Frequency**



**Spurious@Pout=57dBm**

