

Model: TLPA0.8G4.2G-57-56-BC

Solid State High Power Amplifier Systems 0.8-4.2GHz, Gain: 57dB, Psat: 56dBm, 380V AC

Feature:

- Wide Band: 0.8-4.2GHz
- Gain: 57dB Min
- Psat Output Power: 56dBm 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	0.8-4.2			GHz
Gain	GP	57			dB
Gain flatness	Δ GL			± 1.5	dB
Output Psat	Psat	56			dBm
Gain adjust step/range	Gadj	0.5/31.5			dBm
Spurious	Spur			-50	dBc
Harmonics	HAM			-20	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	380			V AC
Power Consumption	Pdiss	12@Max			KW
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	N Female/L29 Female	
Forward/Reverse Coupling Connector	SMA Female/SMA Female	
Communication Interfaces	RJ45/DB9	
Size	12U*650 depth	mm
Weight	85	Kg

Absolute Maximum Ratings:

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

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-20		+85	°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
TLPA0.8G4.2G-57-56-BC	Solid State High Power Amplifier Systems 0.8-4.2GHz,Gain:57dB,Psat:56dBm,380V AC,Built in Fan Cooling	Rev.1.0