

Model:TLPA5.8G6.8G-75-64-BC

Solid State High Power Amplifier Systems 5.8-6.8GHz,Gain:75dB,Psat:64 dBm,380V AC

Feature:

- Wide Band: 5.8-6.8GHz
- Gain: 75dB Min
- Psat Output Power:64dBm Typ
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	5.8-6.8			GHz
Power Gain@Pout=57dBm	GP	75			dB
Gain flatness	Δ GL			± 3	dB
Output Psat	Psat	63	64		dBm
Pout adjust range	Padj	20			dB
Gain stability@24h	Gstb			± 0.25	dB
Gain fluctuation@-40~+55°C	Gvrt		± 2		dB
Gain slope	Gslp			± 0.02	dB/MHz
Spurious@Pout=57dBm	Spur			-60	dBc
2nd Harmonics	HAM		-30	-20	dBc
Input VSWR	VSWRin			1.5	:1
Output VSWR	VSWRout			1.5	
AC Voltage	Vac		380		V AC
Power Consumption	Pdiss	7000@Max			W
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

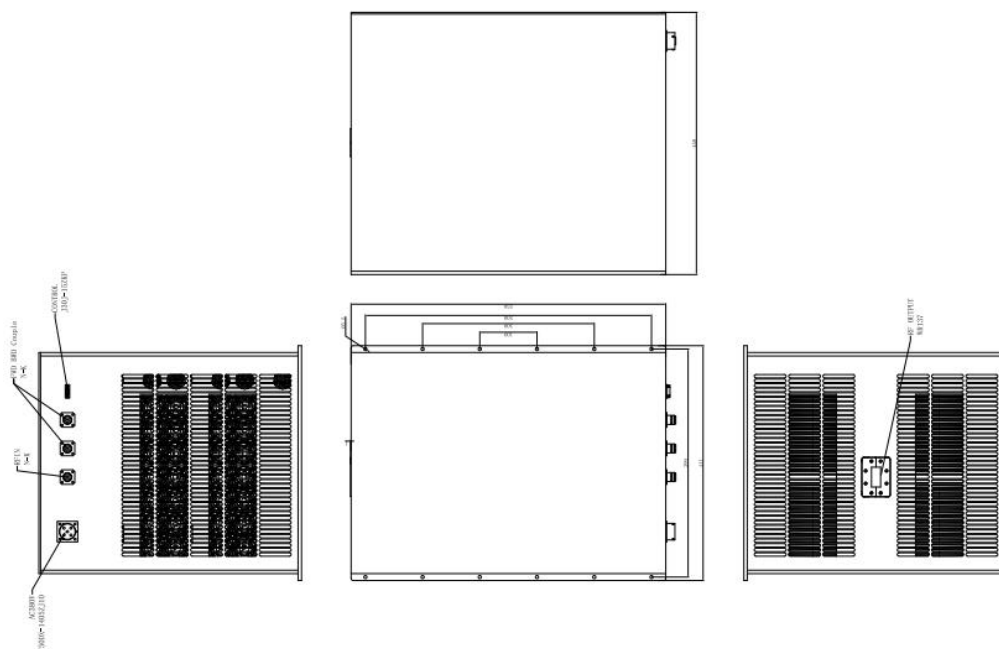
Parameter	Value	Units
Input /Output Connector	N Female/WR137	
Forward/Reverse Coupling	N Female/N Female	
Size	/	mm
Weight	≤ 70	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	-5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Kye Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Advantages
Control functions	1, Power setting On/Off 2,ALC automatic level control
Monitor functions	1, Temperature 2, Voltage 3, Current 4, Output/Reverse Power
Remote control	RS422/RS485
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+55	°C
Non-operating Temperature	-55		+125	°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
TLPA5.8G6.8G-75-64-BC	Solid State High Power Amplifier Systems 5.8-6.8GHz,Gain:75dB,Psat:64 dBm,380V AC,Built in Fan Cooling	Rev.1.0