

Model:TLPA6G18G-58-58-BC
**Solid State High Power Amplifier Systems
 6-18GHz,Gain:58dB,Psat:58 dBm,380V AC**
Feature:

- Wide Band: 6-18GHz
- Gain: 58dB Min
- Psat Output Power:58dBm 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	6-18			GHz
Gain	GP	58			dB
Gain flatness	Δ GL		± 4.5		dB
Output Psat	Psat	58			dBm
Output P1dB	P1dB		53		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-15	-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		380		V AC
AC Input Power	Pdiss	12000@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

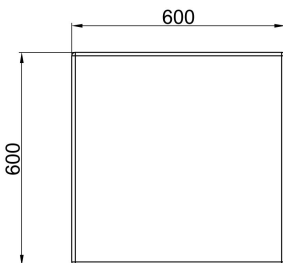
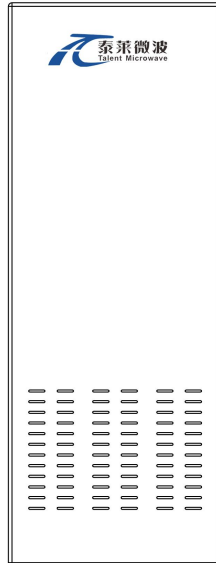
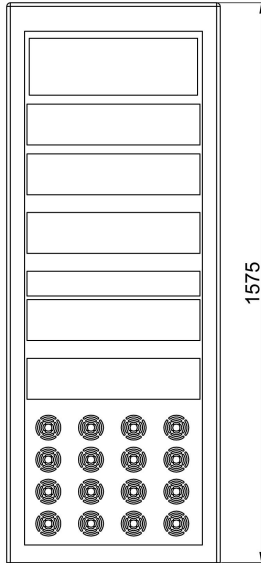
Parameter	Value	Units
Input /Output Connector	N Female WRD500D36	
Network port Communication	RS422/LAN/GPIB/USB	
Size	32U*800mm	
Weight	260	Kg

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Key Features:

Parameter	Advantages
Control functions	1, Power setting On/Off
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Communication functions	RS422/LAN/GPIB/USB
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

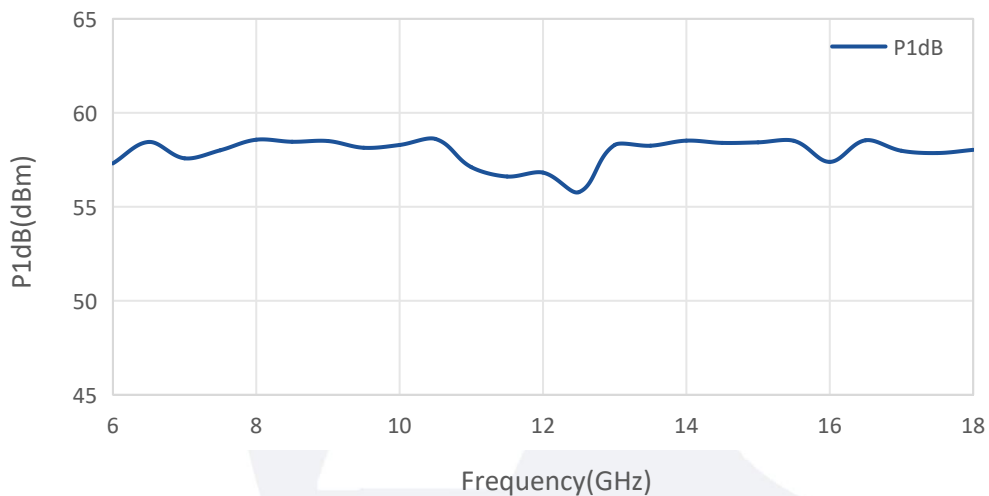
Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+85	°C
Relative humidity		95		%
Altitude	15000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA6G18G-58-58-BC	Solid State High Power Amplifier Systems 6-18GHz, Gain:58dB, Psat:58 dBm, 380V AC, Built in Fan Cooling	Rev.1.0

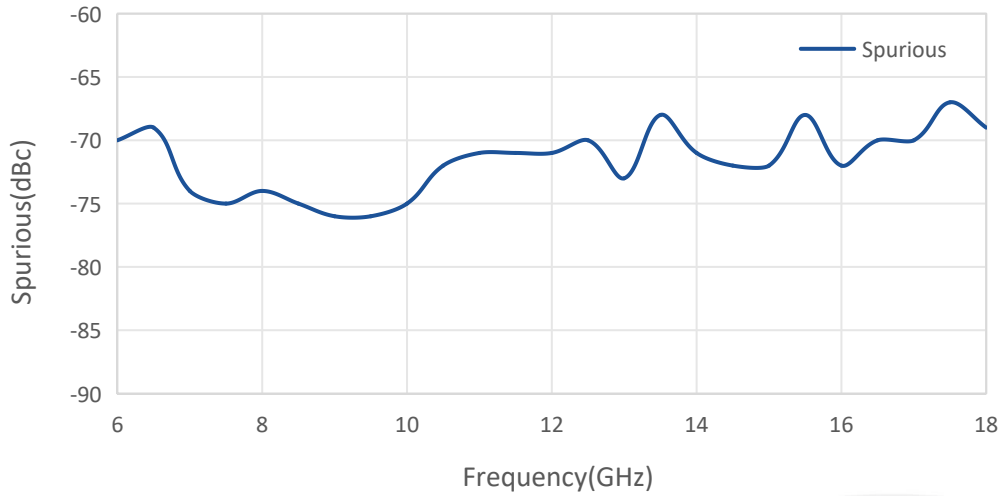
Typical Performance Data:

P1dB vs Frequency



Typical Performance Data:

Spurious vs Frequency



Harmonic vs Frequency

