

**Model:TLPA18G26.5G-47-47-BC**
**Solid State High Power Amplifier Systems  
 18-26.5GHz,Gain:47dB,Psat:47dBm,220V AC**
**Feature:**

- Wide Band: 18-26.5GHz
- Gain: 47dB Min
- Psat Output Power:47dBm Typ
- 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	18-26.5			GHz
Gain	GP	47			dB
Gain flatness	$\Delta$ GL			$\pm 3$	dB
Output Psat	Psat		47		dBm
Saturated Power flatness	$\Delta$ PL			$\pm 1.5$	dB
Spurious	Spur			-60	dBc
Harmonics	HAM			-15	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

Parameter	Value	Units
Input/Output Connector	2.92 Female/WR-42	
AC Power Interface	Air switch	
Size	19 Inch 3U	mm
Weight	25	Kg

**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	260V AC
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+60	°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
TLPA18G26.5G-47-47-BC	Solid State High Power Amplifier Systems 18-26.5GHz, Gain:47dB, Psat:47dBm, 220V AC, Built in Fan Cooling	Rev.1.0