

Model:TLPA40G60G-50-50-BC
**Solid State High Power Amplifier Systems
 40-60GHz,Gain:50dB,Psat:50dBm,220V AC**
Feature:

- Wide Band: 40-60GHz
- Gain: 50dB Min
- Psat Output Power:50dBm 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 | 40-60 | | | GHz |
| Gain | GP | 50 | | | dB |
| Gain flatness | Δ GL | | \pm 5 | | dB |
| Output Psat | Psat | 50 | | | dBm |
| ALC accuracy | ALC | | | \pm 0.5 | dB |
| Spurious | Spur | | | -50 | dBc |
| Input VSWR | VSWRin | | 2.5 | 3 | :1 |
| AC Voltage | Vac | 220 | | | V AC |
| Power Consumption | Pdiss | 3000@Max | | | Watts |
| Impedance | I/O-IMP | 50 | | | Ohms |

Mechanical Specifications:

| Parameter | Value | Units |
|--------------------------|----------------------|-------|
| Input/Output Connector | 1.85 Female/WR19 | |
| Communication Interfaces | RJ45/DB9 | |
| Size | 19 Inch 8U*550 depth | mm |
| Weight | 65 | 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 | -20 | | +50 | °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 |
|---------------------|---|----------|
| TLPA40G60G-50-50-BC | Solid State High Power Amplifier Systems 40-60GHz,Gain:50dB,Psat:50dBm,220V AC,Built in Fan Cooling | Rev.1.0 |