

Model:TLPA2.5G8G-57-57-BC
**Solid State High Power Amplifier Systems
 2.5G8GHz,Gain:57dB,Psat:57 dBm**
Feature:

- Wide Band: 2.5G8GHz
- Gain: 57dB Min
- Psat Output Power:57dBm 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 | 2.5-8 | | | GHz |
| Gain | GP | 57 | | | dB |
| Gain flatness | Δ GL | | ± 4 | | dB |
| Output Psat | Psat | 57 | | | dBm |
| Spurious @Pout=57dBm | Spur | | -60 | -50 | dBc |
| Harmonics@Pout=57dBm | HAM | | -15 | -10 | dBc |
| Input VSWR | VSWRin | | | 2.0 | :1 |
| AC Voltage | Vac | | 380 | | V AC |
| AC Input Power | Pdiss | 7500@Max | | | Watts |
| Impedance | I/O-IMP | 50 | | | Ohms |

Mechanical Specifications:

| Parameter | Value | Units |
|-------------------------|-------------------|-------|
| Input /Output Connector | N Female/N Female | |
| Size | 20U*800 depth | mm |
| Weight | 100 | Kg |

Absolute Maximum Ratings:

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

Outline Drawing:



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

| Parameter | Advantages |
|-------------------------|---|
| Control functions | 1, Power setting On/Off 2, RF setting On/Off 3, ALC automatic level control |
| Protection functions | 1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR |
| Communication functions | RS422/Ethernet |
| Cooling system | Built in Cooling system, forced air cooling |

Environmental Conditions:

| Parameter | Min. | Typ. | Max. | Units |
|----------------------------------|--------------------|------|------|-------|
| Operating Temperature | 0 | | +40 | °C |
| Non-operating Temperature | -45 | | +85 | °C |
| Relative humidity | | 95 | | % |
| Altitude | 15000 | | | feet |
| Shock / Vibration(MIL-STD- 810F) | Normal Truck Trans | | | |

Ordering Information:

| Part Number | Description | Revision |
|---------------------|--|----------|
| TLPA2.5G8G-57-57-BC | Solid State High Power Amplifier Systems 2.5-8GHz, Gain:57dB, Psat:57 dBm, 380V AC, Built in Fan Cooling | Rev.1.0 |