



6-18GHz 200W SOLID STATE HIGH POWER AMPLIFIER RACKMOUNT LPA06185253RM

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

ELECTRICAL SPECIFICATIONS@25°C:

| Parameter | Min | Typical | Max | Units |
|---------------------------|---|---------|--------|---------|
| Frequency Range | 6 | | 18 | GHz |
| Power Gain | 52 | | | dB |
| Power Gain Flatness | | ±3 | | dB |
| Output Power(Psat CW) | 200 | | | Watt |
| pulse Width | 0.1 | | 100 | us |
| PRF | 50Hz | | 100KHz | |
| Spurious | -50 | | | dBc |
| Harmonics | -3 | | | dBc |
| Noise Figure | -10 | | | dBm/MHz |
| Input VSWR | | | 2:1 | Ratio |
| Output VSWR | | | 2.5:1 | Ratio |
| Input Voltage | 180 | 220 | 240 | Volt |
| Human-computer Interface | touch screen LCD:Voltage,Current, Temperature,FWD/REV Power | | | |
| Program Control Interface | TCP/IP and Ethernet | | | |

Note:

- 1.Input Signal:AM, FM, CW, Pulse, LFM, Phase coded.
- 2.Over Temperature Protection; Over REV VSWR Protection; Over incentive protection.
- 3.Air forced cool.

ENVIRONMENTAL RATINGS:

| Parameter | Min | Typical | Max | Units |
|------------------------------------|-------|---------|-------|-------|
| Max Input power | | 0±3 | | dBm |
| Operating Temperature | 0 | | +40 | °C |
| Non-operating Temperature | -40 | | +85 | °C |
| Relative humidity (non-condensing) | | 95 | | % |
| Altitude (MIL-STD-810F) | 10000 | | 30000 | feet |
| Shock / Vibration (MIL-STD-810F) | | Airbone | | |

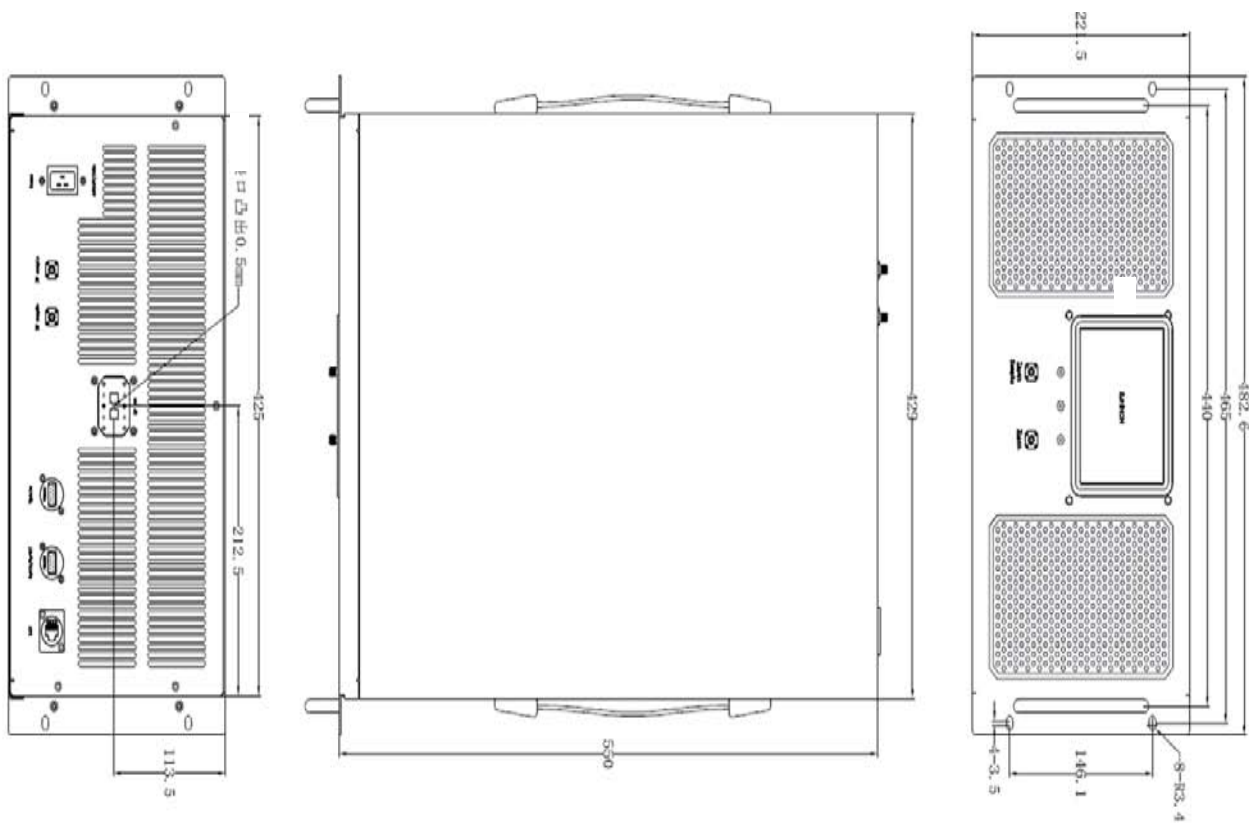


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MECHANICAL SPECIFICATIONS:

| Parameter | Value | Limits | Units |
|--|------------|--------|-----------|
| Dimensions | 5U D:550mm | Max | Milimeter |
| Weight | 55 | Max | Kg |
| RF Connectors Input | N-F | | |
| RF Connectors Output | N-F | | |
| Forward / Reverse Detection Connectors | N-F | | |
| Impedance | 50 | | ohms |

OUTLINE DRAWING(mm):

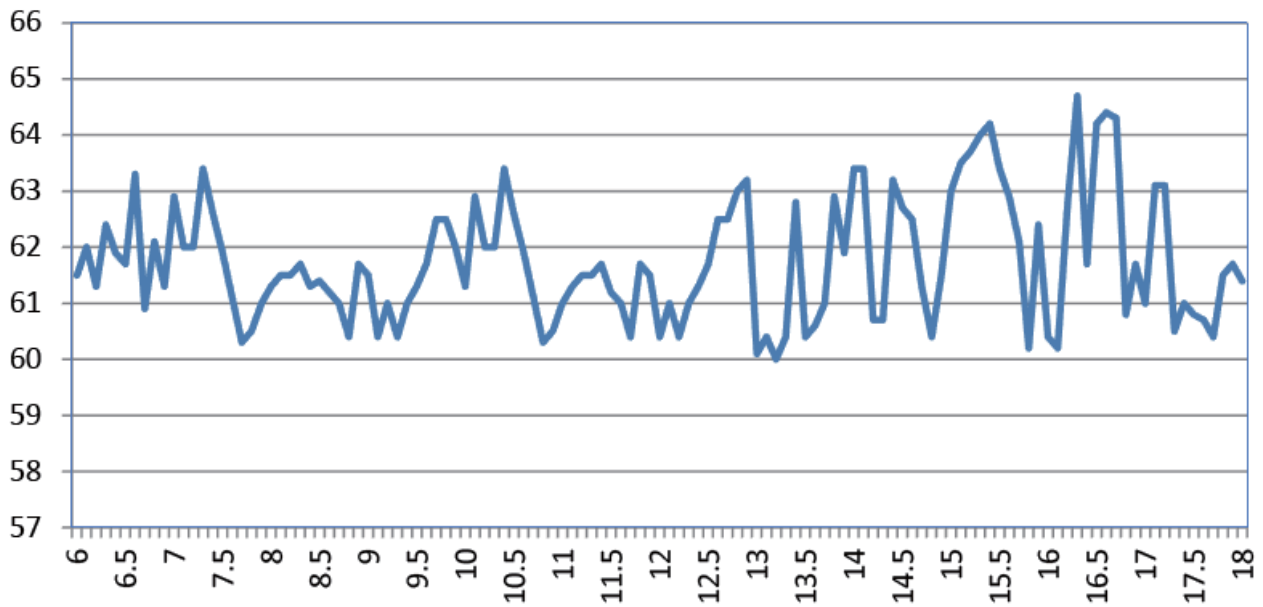




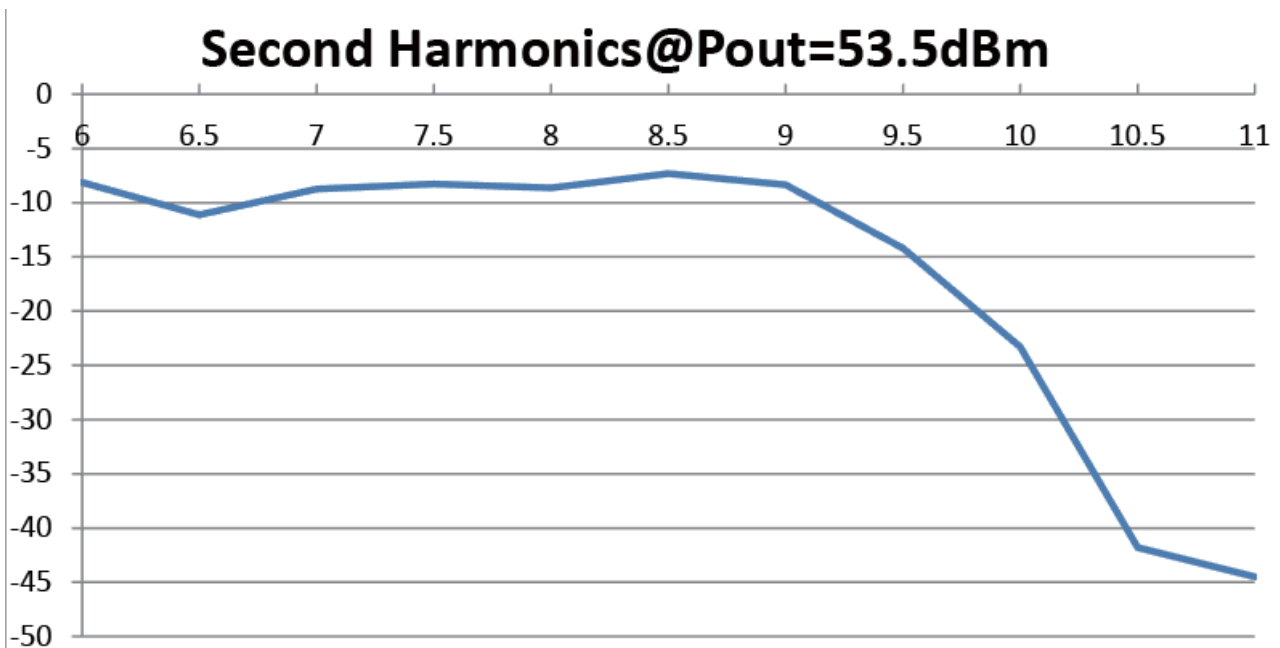
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TEST DATA:

Power Gain@Pout=53.5dBm



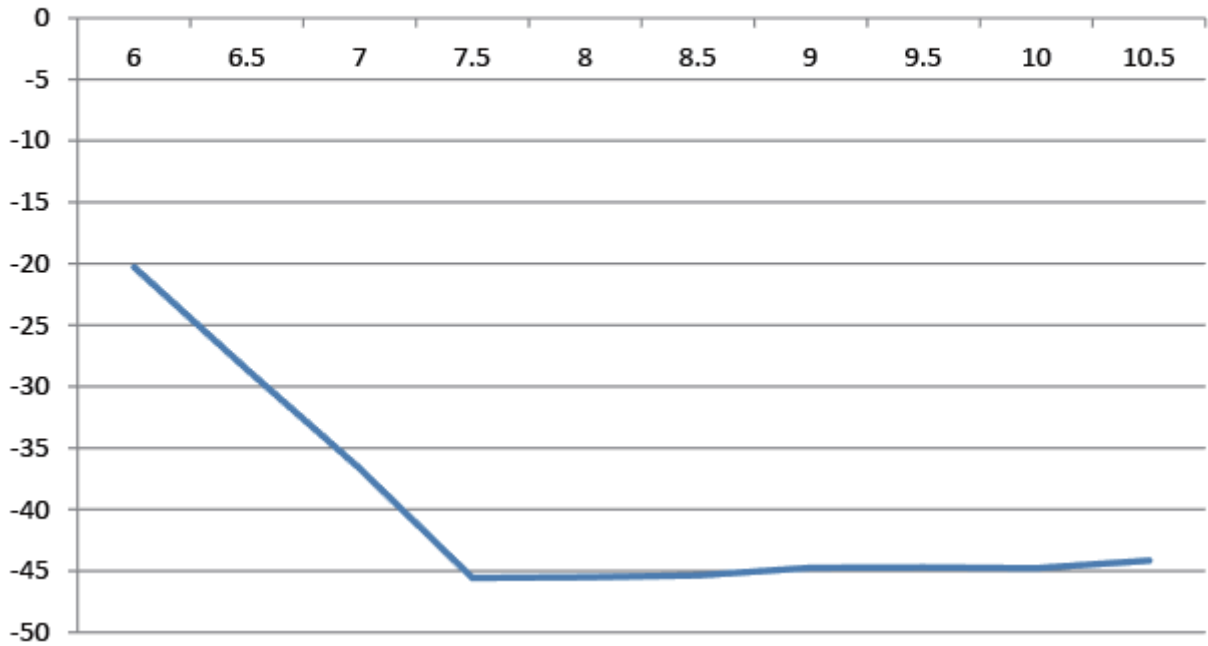
Second Harmonics@Pout=53.5dBm





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Third Harmonics @Pout=53.5dBm



Current @ Pout=53.5dBm

