



## **Feature**

- Broadband CW Solid State Power Amplifier
- Bandwidth: 1.0-6.0GHz wide bandwidth, 250 watts continuous wave output power
- Comprehensive detection protection features and interface circuit design
- Communication Interface: Ethernet, GPIB

## **Detection and Protection Functions**

- Output Power Detection
- Reflected Power Detection
- Temperature Detection
- Over Temperature Protection
- High Power Reflection Protection
- High Power Input Protection

**P/N: AMT-SSPA-1060-250****Technique Specifications**

| Parameter                           | Symbol                          | Min | Typ | Max     | Unit |
|-------------------------------------|---------------------------------|-----|-----|---------|------|
| Frequency Range                     | BW                              | 1   | /   | 6       | GHz  |
| Output power                        | Pout                            |     | 250 | /       | W    |
| Output 1dB Compression Point (P1dB) | P-1                             | 200 | /   | /       | W    |
| Gain Flatness@200W                  | GF                              | /   | /   | $\pm 3$ | dB   |
| Power Gain                          | Gp                              | 53  | /   | /       | dB   |
| Gain Adjustment                     | ADJ                             | 20  | /   | /       | dB   |
| Input Power@200W                    | Pin                             | /   | /   | 0       | dBm  |
| Input VSWR                          | VSWR                            | /   | /   | 1.5     | -    |
| Harmonic@200W                       | H                               | /   | /   | -16     | dBc  |
| Spurious                            | Spur                            | 60  | /   | /       | dBc  |
| Supply Voltage                      | U                               | 342 | 380 | 418     | V    |
| Power Consumption(AC)               | Pd                              | /   | /   | 5500    | W    |
| Cooling                             | Forced Air With Integral Blower |     |     |         |      |
| Ambient Temperature                 | Tc                              | 0   | /   | +40     | °C   |
| Storage Temperature                 | Tstg                            | -40 | /   | +70     | °C   |

| Parameter                      | Specification                  | Unit | Remarks                              |
|--------------------------------|--------------------------------|------|--------------------------------------|
| Dimensions                     | 19" Standard Rack, Height: 16U | /    | Customizable per user specifications |
| Weight                         | 150 Approx..                   | Kgs  |                                      |
| Input RF Connector             | N-female                       | /    |                                      |
| Output RF Connector            | 7/16-female                    | /    |                                      |
| RF Coupling Connector          | N-female                       | /    |                                      |
| Remote Control Interface       | LAN                            | /    |                                      |
| DB15-SS Interlocking Interface | DB15-SS                        | /    |                                      |