



**200 W, S-BAND OUTDOOR
SOLID STATE POWER AMPLIFIER**

- **200 W OUTPUT RF POWER**
- **STABLE OUTPUT POWER OVER TEMPERATURE**
- **LOW NOISE FIGURE**
- **ETHERNET M&C INTERFACE**
- **ROBUST CONSTRUCTION**

This solid state power amplifier is intended for use in S band satellite communications systems as uplink SSPA. It is to be installed directly to the antenna. The outdoor construction protects the amplifier against harsh environmental conditions. The SSPA can be fully remotely monitored and control via the built-in Ethernet interface.

Electrical characteristics:

| | |
|--|---------------------------|
| Frequency range | 2200 - 2300 MHz |
| RF Output Power @ P _{3dB} | min. 53 dBm |
| Gain | min. 65 dB |
| Gain Flatness | ± 0.5 dB |
| Gain Adjustment Range | min. 20 dB |
| Gain Adjustment Step | 0.1 dB |
| ALC Control | min. 20 dB range |
| In / Out Impedances Nominally | 50 Ω |
| Input VSWR | < 1.3:1 |
| Output VSWR | < 1.3:1 |
| Output Noise in Band 2200-2300 MHz | < -76 dBm/Hz with filter |
| Output Noise in Band 2025-2120 MHz | < -135 dBm/Hz with filter |
| Harmonics @P1dB-3dB | < -60 dBc |
| Spurious | < -80 dBc |
| Output Sample | -50 dBc |
| Noise figure | < 3 dB |
| Intermodulation distortion (@P _{out} =50dBm) | < -28 dBc |
| MTBF | >130 000 Hours |
| AC Power Consumption (230V AC) @ P _{out} =53dBm | <850W |
| Operation Temperature Range | -40°C ... +60°C |
| Dimension (without handlers) | 310 x 560 x 175 mm |

Specifications are subject to change without notice.



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Software screenshot



Outline dimensions (mm):

