# WLE3250A 2.1GHz Low Noise coaxial Amplifier

- Noise figure < 2.9dB
- High IP3 design
- Low current < 30mA
- Wide operating voltage range, 8 to 20VDC
- Robust N connectors

The coaxial amplifier WLE3250A is made for mast top applications to increase the sensitivity of a 2.1GHz receive system like the WLE3350A. The “move” of the antenna receive cable behind the first amplifier stage lowers the receive system noise figure remarkably. The high-IP3 design and the coaxial DC-feeding structure reduce the handling complexity to the absolute minimum. The input stage is protected against electrostatic damages by a DC-shorting circuit.

The amplifier housing protects the active circuitry against water splashes and environmental influences. This maximizes the products lifetime and minimizes the system down time.

| | Item | | Value | Unit |
|---|---|---|---|---|
| Technical Specifications | Frequency range | | 2 to 2.2 | GHz |
| | Gain | min. | 9 | dB |
| | Noise figure | typ. | 2.4 | dB |
| | Max. input power | without damage | 0 | dBm |
| | Output IP3 | typ. | +26 | dBm |
| | Return Loss (In-/Output) | min. | 9.5 | dB @2.1GHz |
| | DC operating voltage | min. / max. | 8 to 20 | VDC |
| | Current consumption | max. | 30 | mA @12VDC |
| | Connectors | Standard (In-/Ouput) | N(f) / N(m) | |
| | Dimensions | approx. | 80x26x26 | mm |
| | Weight | approx. | 160 | g |

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