



Cel-Fi™ Wideband MIMO Panel Antenna

Smart Cellular Coverage



Model: A52-X12-100

The A52-X12-100 is a dual-polarization LTE MIMO antenna for indoor or outdoor wall, ceiling, or pole mount installations. The antenna is designed to operate within the frequency ranges of 698-960 MHz and 1710-2700 MHz, providing optimized pattern coverage for DAS applications.

Used in conjunction with Nextivity's Antenna Positioning application, the A52-X12-100 is an ideal product to deliver the off-air donor signal for the QUATRA product.

FEATURES

- MIMO (LTE)
- Dual polarization (vertical/horizontal) design
- QMA quick-release connector
- Wideband coverage
- Low VSWR
- Aesthetically pleasing, low profile housing

SPECIFICATIONS

ELECTRIC SPECIFICATION

| Frequency Range | 698-864 MHz | 870-960 MHz | 1710-1880 MHz | 1920-2170 MHz | 2200-2500 MHz | 2490-2700 MHz |
|----------------------|-------------|-------------|---------------|---------------|---------------|---------------|
| Gain | 6.5dBi | 7.0 dBi | 8.5 dBi | 9.0 dBi | 8.0 dBi | 7.5 dBi |
| VSWR | ≤2.0 | | | | ≤1.8 | |
| Polarization | ±45° | | | | | |
| Isolation | 23 dB | | | | | |
| Horizontal Beamwidth | 78° | | 73° | | 65° | 60° |
| Vertical Beamwidth | 70° | | | 55/65° | | 75/55° |
| Input Impedance | 50 Ω | | | | | |
| Max.Power | 100W | | | 50W | | |

MECHANICAL SPECIFICATION

| | |
|-----------------------|----------------------------------|
| Connector | 2 x QMA Male with 2 m Coax Cable |
| Dimension | 237.5x229.5x50mm |
| Weight | 0.7 kg |
| Reflector Material | Brass and PCB |
| Radome Material | ABS |
| Operating Temperature | -40°C to +65°C |

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