UHF SLIMQ FAR FIELD ANTENNA

Hanging conveyors and table-top reading systems

A-UHF-SLIMQ-FF

Product info

- Confined reading area with minimum reader power
- Broad read range with higher reader power
- Circular polarization: minimize tag miss readings
- Outstanding performance in reducing stray reads from back side
- Quick easy installation, versatile application: belt / hanging conveyors and table top mount
- Suitable for customized reading systems or rapid deployment

Product Description

Specifically designed for reading systems with precise reading area requirements, this far field antenna is well suited for UHF reading textile applications like hanging conveyors, belt conveyors; table top.

It is designed to provide a homogenous reading area on the front side, independently from tags orientation on a coplanar reading plane.

In combination with the appropriate reader configuration the antenna allows to limit the reading volume and avoid stray reads.

The product is available in two versions: TILE, without casing for optimal integration in custom machines or assembled and PANEL, assembled in a plastic case with a metallic backplate for indoor use and quick mounting.
# UHF SLIMQ FAR FIELD ANTENNA

## A-UHF-SLIMQ-FF

### Technical data

| **Dimensions (L x W x H)** | TILE: 300 x 310 x 8.6 mm (11.8” x 12.2” x 0.4”)
 | PANEL: 340 x 330 x 22 mm (13.4” x 13.0” x 0.9”)
|---|---|
| **Weight** | TILE: 0.5 kg (1.1 lbs)
 | PANEL: 1.4 kg (3.1 lbs)
| **Operating temperature range** | -20 °C to +55 °C (-4 °F to 122 °F)
| **Humidity range** | 5 % to 95 %, non-condensing
| **Protection / load capacity** | TILE: none / direct load not allowed
 | PANEL: IP20 / load capacity max 5kg
| **Operating frequency range** | 865-868 MHz (ETSI)
 | 902-928 MHz (FCC)
| **Polarization** | Circular
| **Gain (typ.)** | 4.5 dBiC (ETSI)
 | 5.0 dBiC (FCC)
| **Far field HPBW** | 60° / 60° (ETSI)
 | 58° / 58° (FCC)
| **Impedance** | 50 Ω
| **Antenna connector** | SMA female
| **Cable (included)** | 50 Ω coax., 3m (9.85 ft.), SMA male - RP-TNC male
| **Max input power** | +33 dBm (ETSI EN 302 208)
 | +30 dBm (FCC 15.247)
| **Warranty** | 1 year
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Drawings

*all dimensions are in mm
Four M6 inserts on the back allow to easily install the antenna.

Ordering information

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