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YAP-101LP

The YAP-101LP antenna is a UHF RFID linearly polarized antenna designed to operate for the 902 MHz to 928 MHz frequency range. The antenna concentrates the highest gain in a single axis, providing optimum performance to read UHF RFID tags in the farthest range and penetration.

The antenna is 360(L)*220(W)*40(H) mm in size, making it easy to be mounted directly to interior and exterior wall surfaces. It will work suitably into both indoor and outdoor environments as it is water-proofed and dust-proofed.

Simple and contemporary in design, the YAP-101LP antenna is perfect for supply-chain applications where linear polarizations are required. Typical applications include production and assembly lines, inventory controls, cargo logistics and airline baggage management.

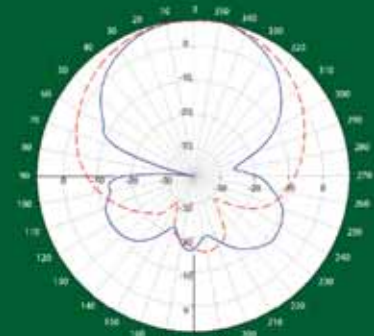
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- Interoperable to frequencies 902 MHz to 928 MHz
- Optimum for farthest read range and penetration
- Suitable for both indoor and outdoor uses
- Applicable to production and assembly lines, inventory controls and so on

Radiation Pattern

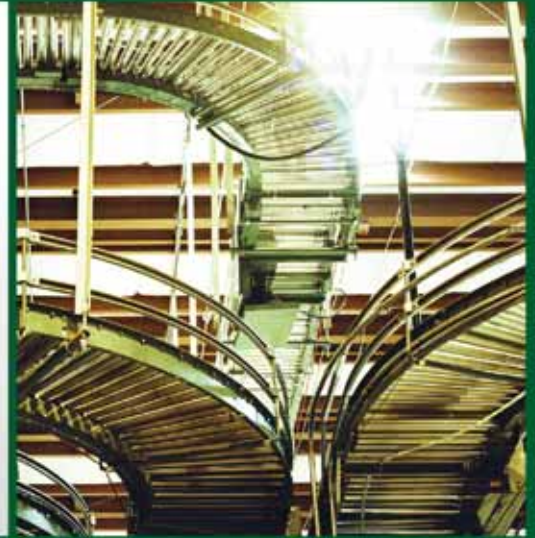
Example : 915 MHz



— H-Plane
- - - E-Plane

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YAP-101LP

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Specification Chart

| | |
|--------------------------|---------------------------|
| Operating Frequency | 902~928 MHz |
| Impedance | 50Ω |
| VSWR | ≤ 1.6 |
| Gain | 7.5dBi |
| Polarization | Vertical |
| Front/Back Ratio | 16dB |
| Radiation Pattern | Directional |
| HPBW (3dB Beam Width) | 74°@E-plane , 52°@H-plane |
| Operating temperature | -20°C - 65°C |
| Connector | N Jack |
| Input power | 10W(Max) |
| Dimensions | 360x220x40mm |
| Water Proof | IPX5 |
| Weight | 944.5g |

Size and Diagram

Unit : mm/in

