

AA3110

Parapanel Antenna

The AA3110 Parapanel Antenna broadcasts and receives radio frequency (RF) signals in the 902 to 928 MHz RF band. It is a precision dipole array designed for directional transmission and reception.

For installations requiring a reading area larger in one dimension than in another, the AA3110 Parapanel Antenna provides a 47° difference in half-power beam width from the horizontal to the vertical plane.

The AA3110 antenna's relatively narrow seven-inch (17.78 centimeter) depth makes it ideally suited to applications requiring a low-profile antenna.

Rugged

A heavy laminated fiberglass radome encloses the AA3110 Parapanel Antenna for protection against severe environmental conditions. Radome materials provide favorable electrical characteristics and resistance to ultraviolet (UV) radiation. Drilled, tapped, and plugged holes accommodate the AT5720 Check Tag and Thomas & Betts (T&B) hood mounting accessories. All fastenings and hardware are stainless steel for maximum corrosion resistance.



Features

- ▶ Asymmetrical broadcast pattern
- ▶ Low-profile design
- ▶ Weatherproof enclosure
- ▶ UV-tolerant and corrosion-resistant construction

AA3110 Parapanel Antenna

COMMUNICATIONS

Frequency Range

902 to 928 MHz

Custom frequencies available upon request

Gain

12.5 dBi

Front-to-Back Ratio

20 dB

VSWR

1.1:1 maximum

Impedance

50 ohms

Half-Power Beam Width

75° E-Plane and 28° H-Plane

HARDWARE FEATURES

Connector

Type N female

PHYSICAL

Dimensions

Size: 29 x 10.5 x 7 in. (73.3 x 26.7 x 17.8 cm)

Weight: 9.0 lb (4.1 kg)

Mounting Method

To circular support with maximum outside diameter of 2.4 in. (6 cm)

Enclosure

Weatherproof radome

OPTIONS

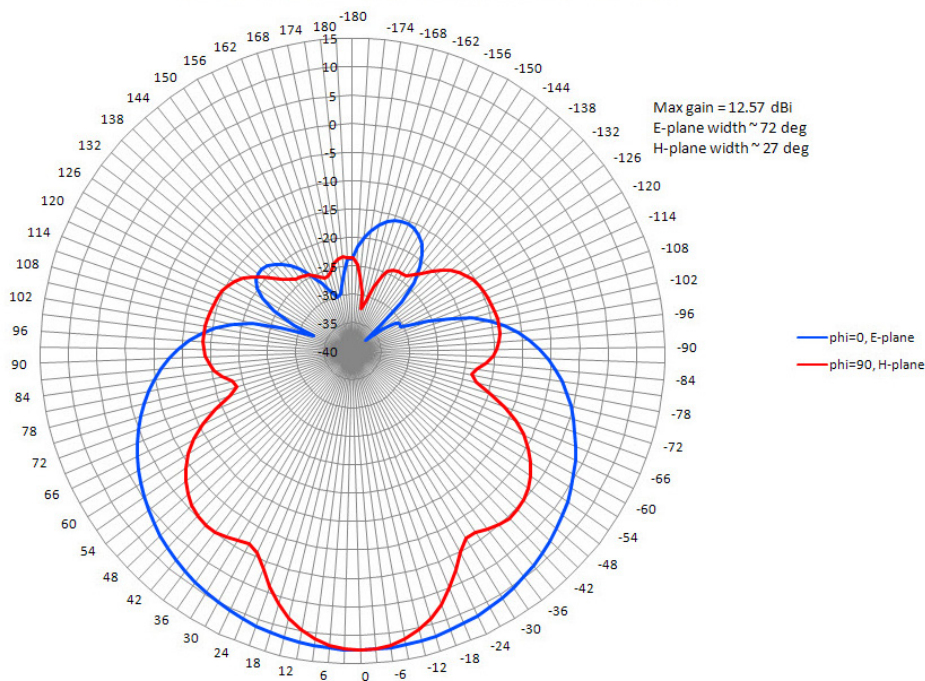
Connector

Available with T & B industrial connectors, including straight or right-angle hood and base with gasket

Check Tag

AT5720 check tags available from TransCore for user installation

Parapanel, principal plane patterns, 916 MHz



For more information:

Sales Support

800.923.4824

Technical Support

505.856.8007

transcore.com