

## PAA-KUDP110



PAA-KuDP110 is PAA-KuDP110 is Phased Array Antenna.

It has:

Light weight + Compact size + High gain

Radiation pattern of 110 degrees and DUAL polarization

Beam(H): 110°; Beam (V): 35°

Frequency range: 8-12 GHz

Gain: 10 dB

It is designed for Ku-band

PAA-KuDP110 is Ku-band short sector antenna which has radiation pattern of 110 degrees in horizontal plane and wide frequency range of 8 000 – 12 000 MHz.

### **Key features:**

- Reliable design
- Light weight
- Compact size
- High gain

### **Main functions:**

- Transmit and receive Ku-band signals

- Applied as a part of broadcasting station, repeater, interactive microwave or video surveillance systems

| Parameter                                | Value                                |
|--|--------------------------------------|
| <b>Frequency range</b> , GHz             | 8 – 12                               |
| <b>Gain</b> , dBi                        | 10                                   |
| <b>VSWR</b>                              | 2                                    |
| <b>Polarization</b>                      | vertical, horizontal (3dB loss each) |
| <b>Polarization type</b>                 | linear (45°)                         |
| <b>Cross-polarization isolation</b> , dB | 25                                   |
| <b>HPBW:</b>                             |                                      |
| <b>@horizontal</b>                       | 110°                                 |
| <b>@vertical</b>                         | 35°                                  |
| <b>Gain range in aperture</b> , dB       | ±1                                   |
| <b>Temperature range</b> , °C            | -50 to +80                           |
| <b>Humidity</b>                          | 100% where 25°C                      |
| <b>Size</b> , mm                         | *                                    |
| <b>Weight</b> (including holder), kg     | *                                    |
| <b>Directional diagram tuning</b> , deg: |                                      |
| <b>Elevation angle</b>                   | ±30*                                 |
| <b>Azimuth</b>                           | ±360*                                |

|                       |   |
|-----------------------|---|
| <b>Mounting</b>       | Installation on the pipe diameter up to 45 mm |
| <b>Input power, W</b> | 20  |
| <b>Body</b>           | Dust/moisture proof                           |

*Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.*

**Note!** *All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.*