

UHF/TETRA wideband indoor panel antenna 380-470MHz

DESCRIPTION

The 752.01.05.00 antenna is a broadband panel antenna suitable for indoor or outdoor coverage with TETRA and other UHF repeater systems. The dual patch design gives the antenna stable radiation characteristics over a broad band of frequencies making the antenna ideal for a large range of indoor multichannel UHF repeater networks. This model has undergone S.A.R. testing to EN50385:2002. The antenna is available with a snap-fit wall mounting bracket for easy installation, and can be supplied with connector and cabling options to suit application requirements.

- Former Skymasts brand product.

SPECIFICATIONS

| Electrical              |                                    |
|-------------------------|------------------------------------|
| Frequency               | 380 - 470 MHz                      |
| Max. Input Power        | 50 W                               |
| Polarisation            | Linear (Vertical or Horizontal)    |
| 3 dB Beamwidth, E-Plane | 120 °                              |
| 3 dB Beamwidth, H-Plane | 130 °                              |
| Impedance               | 50 Ω                               |
| Gain                    | 1.9dBd / 4dBi                      |
| VSWR                    | < 2.0:1                            |
| Front-To-Back Ratio     | > 8 dB                             |
| Passive Intermodulation | -140dBc (3rd Order, 2 x Tx@ 37dBm) |

| Mechanical               |                             |
|--------------------------|-----------------------------|
| Connection(s)            | N(f) on 500mm RG303 cable   |
| Materials                | Aluminium, PTFE, ABS, Brass |
| Radome Material / Colour | ABS White Fire Retardant    |
| Dimensions               | 292 x 292 x 76 mm           |
| Weight                   | 1.1 kg / 2.43 lb            |

| Environmental               |              |
|-----------------------------|--------------|
| Operating Temperature Range | -40 to 75 °C |
| Ingress Protection          | IP56         |

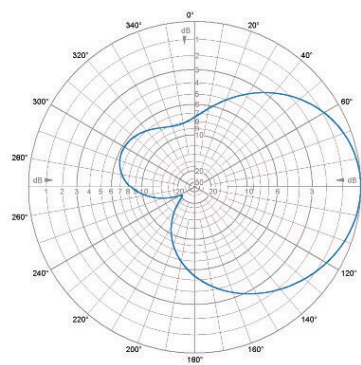
ORDERING

| Model                                              | Product No.  | Description         | Frequency     |
|----------------------------------------------------|--------------|---------------------|---------------|
| UHF/TETRA wideband indoor panel antenna 380-470MHz | 752.01.05.00 | Wall mount plate    | 380 - 470 MHz |
| UHF/TETRA wideband indoor panel antenna 380-470MHz | 752.01.05.10 | Pole mount, 38-60mm | 380 - 470 MHz |



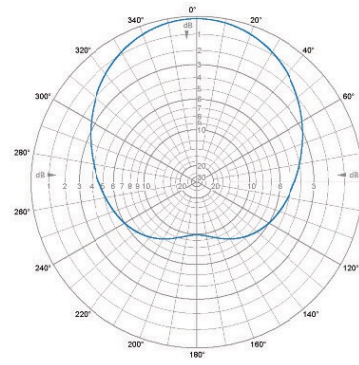
DIAGRAM

RADIATION PATTERNS



E-Plane | 425 MHz

RADIATION PATTERNS



H-Plane | 425 MHz