

## 6173108F0

6173108NF0

2-Band | Panel Antenna | XX-Pol | 65° | Fixed Tilt | 350 mm

- 2-Band, fixed tilt, panel antenna with four connectors
- Mounting and downtilt brackets included

### ACCESS PORT DESCRIPTION (CONNECTORS)

The antenna has 4 colour-coded connectors located at the bottom face.

| Frequency Designation     | Y1                                      | Y2                                      |
|---------------------------|-----------------------------------------|-----------------------------------------|
| Frequency Range           | 1710-2690 MHz                           | 1710-2690 MHz                           |
| Polarisation              | Xpol                                    | Xpol                                    |
| Horizontal Beamwidth      | 65°                                     | 65°                                     |
| Electrical Downtilt Range | 0°                                      | 0°                                      |
| Connector Type            | (2x) 7/16 DIN Female (or) 4.3-10 Female | (2x) 7/16 DIN Female (or) 4.3-10 Female |



### ORDERING OPTIONS

|                                         |                   |
|-----------------------------------------|-------------------|
| Antenna with 4.3-10 Female Connectors   | <b>6173108NF0</b> |
| Antenna with 7/16-DIN Female Connectors | <b>6173108F0</b>  |

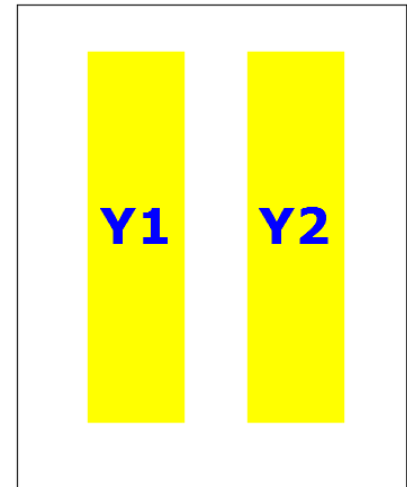
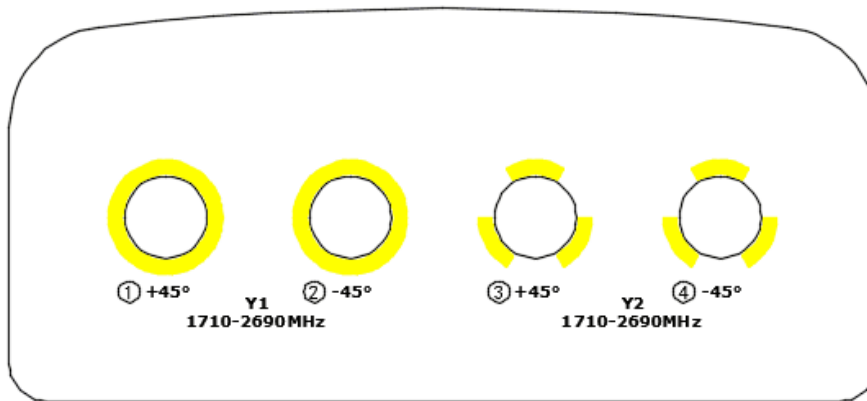
| ELECTRICAL CHARACTERISTICS                                   |                     | Y1, Y2         |                |                |
|--------------------------------------------------------------|---------------------|----------------|----------------|----------------|
| Frequency Bands                                              |                     | 1710-2690 MHz  |                |                |
|                                                              |                     | 1710-1920 MHz  | 1920-2170 MHz  | 2300-2690 MHz  |
| Gain                                                         |                     | 11.0 ± 0.5 dBi | 11.5 ± 0.5 dBi | 11.5 ± 0.5 dBi |
| Input Impedance                                              |                     | 50Ω            |                |                |
| VSWR                                                         |                     | ≤ 1.5:1        |                |                |
| Polarisation                                                 |                     | ±45°           |                |                |
| Horizontal Beamwidth (-3 dB)                                 |                     | 63° ± 5°       | 60° ± 5°       | 60° ± 5°       |
| Vertical Beamwidth (-3 dB)                                   |                     | 35° ± 5°       | 30° ± 5°       | 30° ± 5°       |
| Electrical Downtilt Range                                    |                     | 0°             |                |                |
| Front-to-Back Ratio (@ 180° ± 30°)                           |                     | > 25 dB        |                |                |
| Passive Intermodulation<br>3rd Order for 2 x 20W carriers    |                     | < -150 dBc     |                |                |
| Isolation                                                    |                     | ≥ 25 dB        |                |                |
| Upper Sidelobe Suppression (peak to 20°)                     |                     | > 13 dB        | > 11 dB        | > 10 dB        |
| Cross Polar Ratio                                            | Main Direction (0°) | > 15 dB        | > 15 dB        | > 14 dB        |
|                                                              | Sector Edges (±60°) | > 7 dB         | > 7.5 dB       | > 8.5 dB       |
| Maximum Average Input Power<br>(at 50°C Ambient Temperature) |                     | 250 W          |                |                |



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| ARRAY LAYOUT | ARRAY                                                                                | FREQUENCY | CONNECTOR | CONNECTOR TYPE                   |
|--------------|--------------------------------------------------------------------------------------|-----------|-----------|----------------------------------|
|              |  Y1 | 1710-2690 | 1-2       | 7/16-DIN Female or 4.3-10 Female |
|              |  Y2 | 1710-2690 | 3-4       | 7/16-DIN Female or 4.3-10 Female |

| ENVIRONMENTAL CHARACTERISTICS         |             |                          |
|---------------------------------------|-------------|--------------------------|
| Lightning Protection                  |             | DC Ground                |
| Environmental                         |             | ETS 300 019              |
| Operating Temperature                 |             | -40° to +60° C           |
| Product Environmental Compliance      |             | Product is RoHs Comliant |
| MECHANICAL CHARACTERISTICS            |             |                          |
| Dimensions (Height x Width x Depth)   |             | 350 mm x 280 mm x 90 mm  |
| Weight (excluding mounting accessory) |             | 2.8 kg                   |
| Wind Load<br>(at 150 km/h)            | Calculation | 150 km/h                 |
|                                       | Frontal     | 110 N                    |
|                                       | Rear        | 100 N                    |
|                                       | Lateral     | 45 N                     |
| Operational Wind Speed                |             | 160 km/h                 |
| Survival Wind Speed                   |             | 200 km/h                 |
| Radome color                          |             | Gray                     |
| Radome Material                       |             | UPVC                     |
| Mounting Hardware                     |             | Ø35~Ø75 mm               |
| SHIPPING                              | Dimensions  | 420 mm x 360 mm x 160 mm |
|                                       | Weight      | 3.5 kg                   |
|                                       | Volume      | 0.02 m³                  |

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