

**ULPX302.3F3-C**

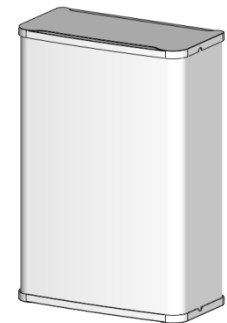
XX Pol Panel Antenna 698-960/1710-2690MHz 65°/65° 10/13.5dBi 3°/3° FET

**Electrical Specifications**

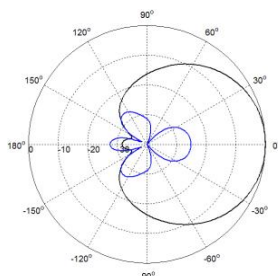
| Frequency Range (MHz):                          | 698-960          |          |          | 1710-2690 |           |           |
|-------------------------------------------------|------------------|----------|----------|-----------|-----------|-----------|
|                                                 | 698-806          | 806-880  | 880-960  | 1695-2170 | 2300-2490 | 2490-2690 |
| Gain (dBi):                                     | 10.0±0.5         | 10.3±0.5 | 10.6±0.5 | 12.3±0.5  | 12.8±0.5  | 13.2±0.5  |
| Return Loss (dB):                               | >14 (VSWR<1.5)   |          |          |           |           |           |
| Polarization:                                   | ±45°             |          |          |           |           |           |
| Horizontal 3dB beamwidth (°):                   | 72               | 69       | 65       | 68        | 63        | 58        |
| Vertical 3dB beamwidth (°):                     | 38               | 35       | 32       | 21.5      | 18.5      | 16.5      |
| Electrical Downtilt (°):                        | 3 Fixed          |          |          |           |           |           |
| 1 <sup>st</sup> Upper Sidelobe Suppression(dB): | 12               | 12       | 12       | 13        | 13        | 13        |
| Front to Back Ratio @180±30°(dB):               | 20               | 21       | 22       | 23        | 23        | 24        |
| Cross Polar Ratio 0° (dB):                      | 15               |          |          |           |           |           |
| Isolation Port to Port (dB):                    | >23              |          |          |           |           |           |
| Power Rating (W):                               | 200              |          |          | 150       |           |           |
| Intermodulation IM3 (dBc):                      | <-153 (2×43 dBm) |          |          |           |           |           |
| Impedance (ohm):                                | 50               |          |          |           |           |           |
| Lightning Protection:                           | DC Grounded      |          |          |           |           |           |
| Connector Type:                                 | 4×4.3-10 Female  |          |          |           |           |           |

**Mechanical Data**

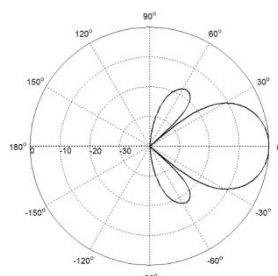
|                                 |                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------|
| Antenna Dimensions (mm):        | 500×339×169                                                                           |
| Packing Dimensions (mm):        | 725×420×320                                                                           |
| Antenna Net Weight/Bracket(kg): | 7/2.6                                                                                 |
| Antenna Gross Weight (kg):      | 13                                                                                    |
| Radome Material:                | Fiberglass                                                                            |
| Pipe OD (mm):                   | 60-100                                                                                |
| Mounting Kits (Included):       | BA.K.04.00052RA2<br>horizontal adjustable -35°~+35°,<br>vertical adjustable -45°~+45° |

**Environmental Ratings**

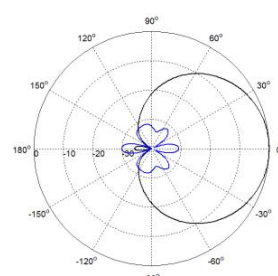
|                          |                                      |
|--------------------------|--------------------------------------|
| Humidity:                | 95%RH@+30℃                           |
| Temperature (℃):         | -40~+70                              |
| Wind Load @150 km/h (N): | Frontal/Lateral/Rearside: 205/69/250 |
| Max.Wind velocity(km/h): | 200                                  |

**Typical Patterns**

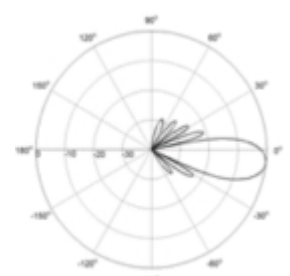
Azimuth(Low Band)



Elevation(Low Band)



Azimuth(High Band)



Elevation(High Band)

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**Correlation Table**

| Frequency range | Array | Connector |
|-----------------|-------|-----------|
| 698–960 MHz     | R1    | 1-2       |
| 1710–2690 MHz   | Y1    | 3-4       |

