

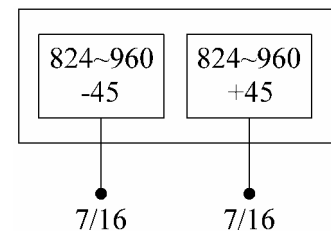


|                                  |                |
|----------------------------------|----------------|
| <b>Dual-band Panel</b>           | <b>824~960</b> |
| <b>Dual Polarization</b>         | <b>X</b>       |
| <b>Half-power Beam Width</b>     | <b>90°</b>     |
| <b>Fixed Electrical Downtilt</b> | <b>3°</b>      |

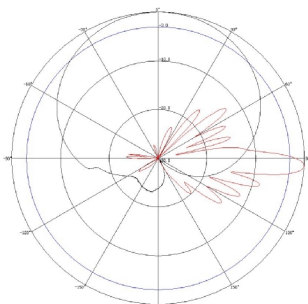
**XPoI 824~960MHz 90° 16dBi 3° Tilt**

| <b>Electrical specifications</b>                             | <b>KBT90DP16-0809AT3</b>    |                               |
|--|-----------------------------|-------------------------------|
| Frequency range (MHz)  | 824~896                     | 870~960                       |
| Polarization   | ±45°                        |                               |
| Gain (dBi)   | 2×15.5                      | 2×16                          |
| Electrical Downtilt (°)                                      | 3                           |                               |
| Half-power beam width (°)                                    | Horizontal:90<br>Vertical:8 | Horizontal:88<br>Vertical:7.5 |
| Sidelobe suppression for first sidelobe above main beam (dB) | ≥15                         |                               |
| Front-to-back ratio (dB)                                     | ≥25                         |                               |
| Cross-polar discrimination (dB)                              | ≥15(±60°≥10)                |                               |
| Isolation (dB)   | ≥30                         |                               |
| Impedance (Ω)  | 50                          |                               |
| VSWR   | ≤1.4                        |                               |
| Intermodulation IM3 (2×43dBm carrier)                        | ≤-150dBc                    |                               |
| Maximum power (W)  | 500                         |                               |
| Lighting protection  | DC Ground                   |                               |

| <b>Mechanical specifications</b> |                  |
|----------------------------------|------------------|
| Connector                        | 2×7/16DIN Female |
| Connector position               | Bottom           |
| Height/width/depth (mm)          | 2530×270×137     |
| Packing size (mm)                | 2800×330×220     |
| Weight (kg)                      | 20               |
| Radome material                  | UPVC             |
| Radome color                     | Gray             |
| Mechanical tilt (°)              | 0~10             |
| Operating temperature (°C)       | -40~60           |
| Rated wind velocity (m/s)        | 60               |
| Suitable pole diameter (mm)      | 50~115           |
| Mounting kit                     | JM-900BZ         |



**824~896MHz: ±45° Polarization**



**870~960MHz: ±45° Polarization**

