



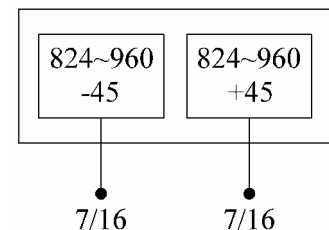
| | |
|----------------------------------|----------------|
| Dual-band Panel | 824~960 |
| Dual Polarization | X |
| Half-power Beam Width | 90° |
| Fixed Electrical Downtilt | 0° |

XPoI 824~960MHz 90° 15dBi 0° Tilt

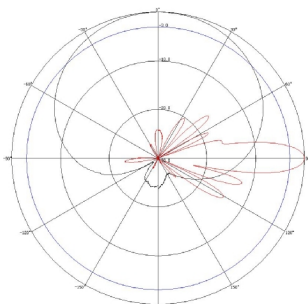
| Electrical specifications | KBT90DP15-0809AT0 | |
|--|------------------------------|-------------------------------|
| Frequency range (MHz) | 824~896 | 870~960 |
| Polarization | ±45° | |
| Gain (dBi) | 2×14.5 | 2×15 |
| Electrical Downtilt (°) | 0 | |
| Half-power beam width (°) | Horizontal:90 Vertical:10 | Horizontal:88 Vertical:9.5 |
| 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 | |



| Mechanical specifications | |
|----------------------------------|------------------|
| Connector | 2×7/16DIN Female |
| Connector position | Bottom |
| Height/width/depth (mm) | 1890×270×137 |
| Packing size (mm) | 2160×330×220 |
| Weight (kg) | 16.5 |
| Radome material | UPVC |
| Radome color | Gray |
| Mechanical tilt (°) | 0~12 |
| 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

