



<b>Single-band Panel</b>	<b>870~960</b>
<b>Vertical Polarization</b>	<b>V</b>
<b>Half-power Beam Width</b>	<b>105°</b>
<b>Fixed Electrical Downtilt</b>	<b>0°</b>

VPol 870~960MHz 105° 16dBi 0° Tilt

<b>Electrical specifications</b>	<b>KBT105VP16-09AT0</b>
Frequency range (MHz)	870~960
Polarization	Vertical
Gain (dBi)	16
Electrical Downtilt (°)	0
Half-power beam width (°)	Horizontal:105 Vertical:7.5
Sidelobe suppression for first sidelobe above main beam (dB)	≥15
Front-to-back ratio (dB)	≥20
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	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



870~960  
V

7/16

**870~960MHz: VPol**

