

**KBT****134-174MHz 6-9dBd 4-Element Dipole Array Antennas****TQJ-015Q9A****Application**

Used in 150MHz TETRA Communications , Wireless Data Transmission System , Wireless Video System

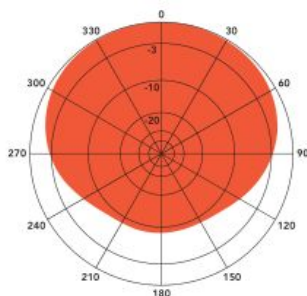
Electrical specifications

Frequency range (MHz)	134~174
Polarization	Vertical
Gain	6~9dBd
Electrical Downtilt (°)	/
Half-power beam width (°)	H:360,E:18
Front-to-back ratio (dB)	/
Cross-polar discrimination (dB)	/
Isolation (dB)	/
Impedance (Ω)	50
VSWR	134-144≤2.8(Max), 144-174≤1.5
Maximum power (W)	300
Lighting protection	DC Grounded

Mechanical specifications-

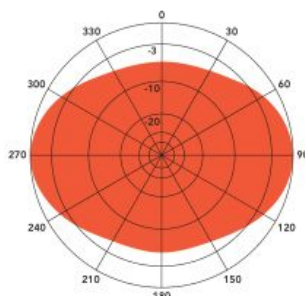
Connector	7/16DIN-Female or N-Female(OPT.)on harness feed cable
Connector position	Bottom
Height/width/depth (mm)	5700* (1167±5)
Weight (kg)	14±0.2
Operating temperature (°C)	-40~70
Relative Humidity	5% to 95%
Rated wind velocity (m/s)	60
Suitable pole diameter (mm)	φ 35- φ 50
Mounting kit	JM-DB

With Support mast , (Mast Supplied by customer)

Typical Patterns

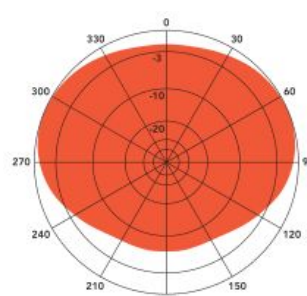
H-plane:Gain9.1dBd

1/4Wl.spacing from tower



H-plane:Gain9.1dBd

1/2Wl.spacing from tower

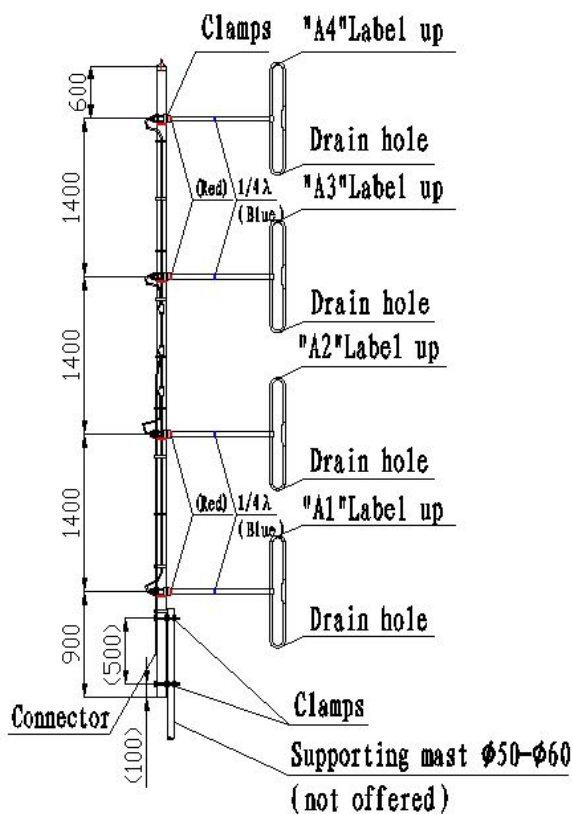


H-plane:Gain8.5dBd

3/8Wl.spacing from tower

**KBT****134-174MHz 6-9dBd 4-Element Dipole Array Antennas**

Product Pictures

**Installation Sketch**

(Blue) $1/4\lambda$, $L=470\pm 10\text{mm}$
 (Red) $1/2\lambda$, $L=900\pm 10\text{mm}$
 (Spacing from Tower)

