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

Tone Spread
Solutions for Wireless Signal

TS-015Q9A

Application

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

Electrical specifications

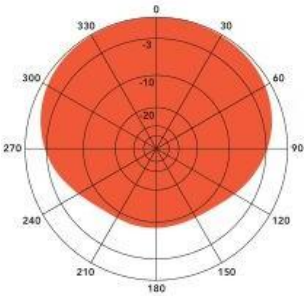
Frequency range (MHz)	134～174
Polarization	Vertical
Gain	6～9dBd
Electrical Down Tilt (°)	/
Half-power beam width (°)	H:360,E:18
Front-to-back ratio (dB)	/
Cross-polar discrimination (dB)	/
Isolation (dB)	/
Impedance (Ω)	50
VSWR	134-144≤2.8(Max),144-174≤1.5
Maximum power (W)	300
Lighting protection	DC 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 (℃)	-40～70
Relative Humidity	5% to 95%
Rated wind velocity (m/s)	60
Suitable pole diameter (mm)	φ35-φ50
Mounting kit	JM-DB

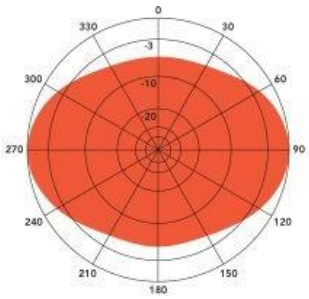
With Support mast ， (Mast Supplied by customer)

Typical Patterns



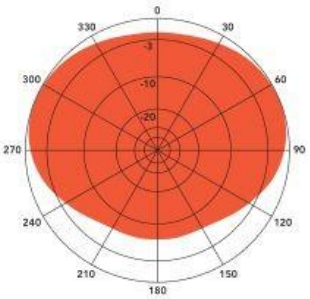
H-plane: Gain9.1 dBd

1/4Wl.spacing from tower



H-plane: Gain 9.1dBd

1/2Wl.spacing from tower



H-plane: Gain8.5 dBd

3/8Wl.spacing from tower

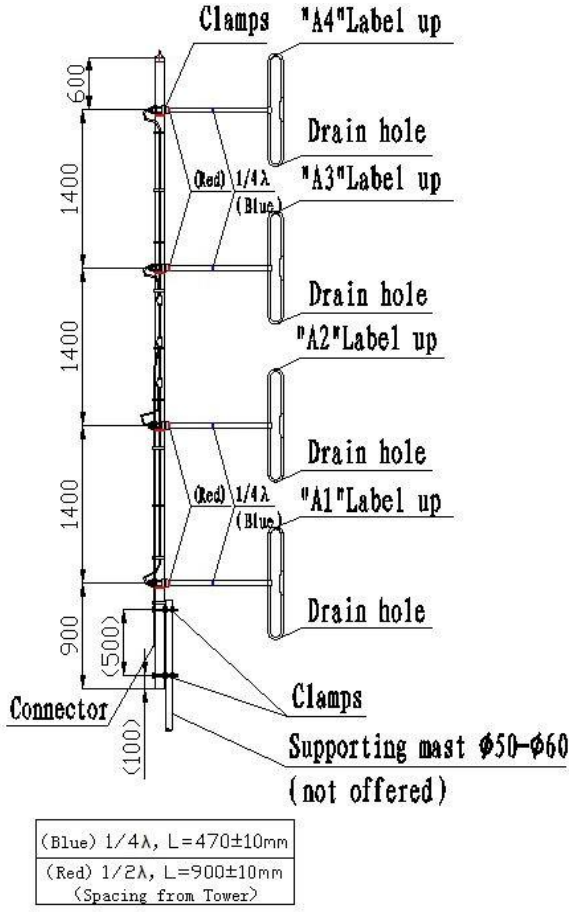
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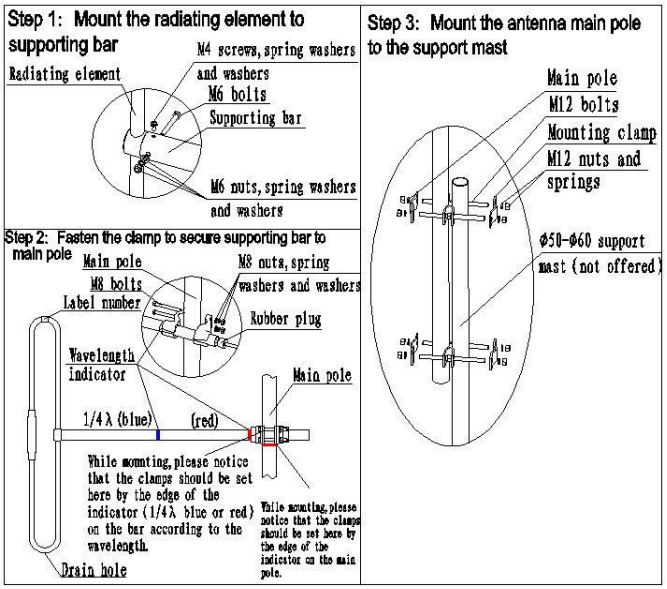
Product Pictures



Installation Sketch



(Blue) 1/4λ, L=470±10mm
(Red) 1/2λ, L=900±10mm (Spacing from Tower)



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