

138-174 MHz 2 Elements Exposed Dipole Antenna, Quarter Wave Design, Offset Patterns

Electrical Specifications	
Frequency Range (MHz)	138-174
Bandwidth (MHz)	36
Horizontal Half-power Beamwidth (°)	210
Vertical Half-power Beamwidth (°)	35
Gain (dBi)	7.6
Polarization	Vertical
VSWR	≤1.8
PIM(dBc) (2×43dBm carrier)	≤-150
Boom Wave Length Spacing	1/4 λ
Average Power, Maximum (W)	300
Impedance (Ω)	50
Lightning Protection	DC Ground

Mechanical Specifications		
Length (cm)	290	
Net Weight (kg)	10.9 (installation kit included)	
Radiator Material	Aluminum Alloy	
Number of Radiators	2	
Connector	N Female or Customized	

Environmental Specifications	
Application	Outdoor
Operating Temperature (°C)	-40 to +70 (-40 to 158 $^\circ\mathrm{F}$)
Humidity (%)	5 to 95
Survival Wind Velocity (km/h)	200

Mounting Specifications		
MOUNTING BRACKETS ARE INCLUDED UNLESS OTHERWISE SPECIFIED		
Mounting Mast Diameter (mm)	Φ 40 to 50	

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