Omnidirectional Antenna

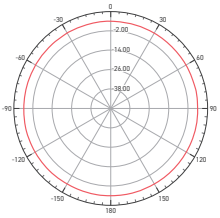
Electrical Specification

Product Number	FX - X - WM - 360 - 9 - 00T - ST
Frequency Range (MHz)	2496 ~ 2690
Polarization	+ 45 / - 45 Slant Linear
Gain (dBi) (Mean Value + / - 1.5 σ)	8.6 + / - 0.5
Azimuth Beamwidth	360°
Elevation Beamwidth (Mean Value + / - 1.5 σ)	11° + / - 2°
Electrical Down Tilt	Fixed Tilt 0°
Impedance	50 Ohms
Return Loss	≥ 15 dB
Isolation between port	≥ 27 dB
Passive Intermodulation (@2 x 40 dBm)	≤ - 110 dBm
Cross Polar Discrimination (Mean Value - 1.0 σ)	≥ 9
Maximum Effective Power per Port	100 W
Connector Type	2 × MINI DIN (female)
Net Weight (Antenna)	1.6 kg (max.)
Dimension (L x Ø)	1,100 × 52 mm

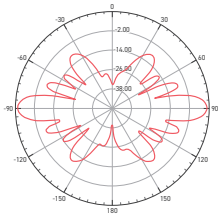
Side View



Pattern



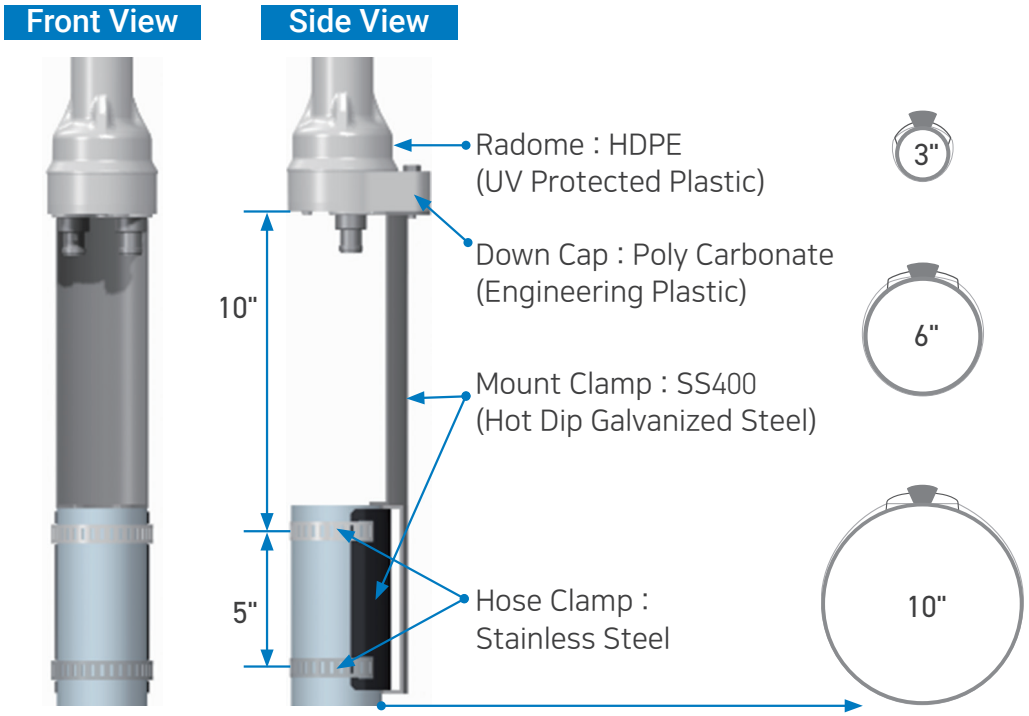
Horizontal



Vertical

Omnidirectional Antenna

Omni Antenna Configuration



Survival Wind Speed 67m/s (150mph)

	5 dBi	7 dBi	9 dBi
Wind Load (@100 mph)	21.8 N (4.9 lbf)	41.5 N (9.3 lbf)	59.5 N (13.4 lbf)
Wind Load (@150 mph)	48.5 N (10.9 lbf)	93 N (20.9 lbf)	133.5 N (30.0 lbf)

Note

- Survival Wind Speed (67 m/s) includes gust factor.