



# Multi-Band Omni Antenna

SCA360F-KW10A

## SPECIFICATIONS

### Electrical

Ports	1 X Low Band Ports for 698-960 MHz	1 X High Band Ports for 1695-2180MHz
Frequency Range	698-960 MHz	1695-2180 MHz
Gain (Average) <sup>2</sup>	6.2 dBi	10.4 dBi
Elevation Beamwidth (-3dB)	17°	8°
Electrical Downtilt	0°	0°
First upper sidelobes at peak gain	< -14 dB	< -12 dB
Interband Isolation (Worse Case)	< -26 dB	< -26 dB
Voltage Standing Wave Ratio (VSWR)	< 1.8:1	< 1.5:1
Passive Intermodulation (2x20W)	≤ -153 dBc	≤ -153 dBc
Input Power Continuous Wave (CW)	100 watts	100 watts
Polarization	V Pol	V Pol
Input Impedance	50 Ohms	50 Ohms
Lightning Protection	DC Ground	DC Ground

Front Isometric View



### Mechanical

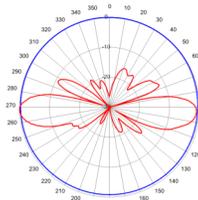
Bottom View



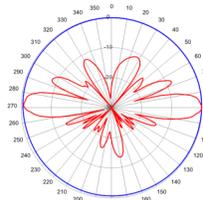
Dimensions (LxD)	126.0 × 3.0 inches (3200× 76 mm)
Survival Wind Speed	> 150 mph (> 240 km/hr)
Front Wind Load	80 lbs (358 N) @ 100 mph (161 kph)
Equivalent Flat Plate Area	3.1 ft <sup>2</sup> (0.3 m <sup>2</sup> )
Weight*	20.9 lbs (9.5 kg)
Connector (RF)	2 × 4.3-10 Female
Mounting Pole	2.0 to 3.9 in (5 to 10 cm)

\* Does not include weight of Mounting Kit

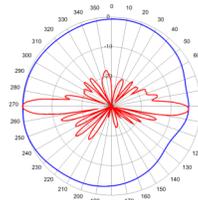
### Typical Antenna Patterns



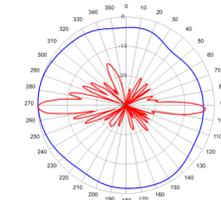
698 MHz



960 MHz



1695 MHz



1895 MHz

Part number SCA360F-KW10AA-K (Mounting Bracket Clamp MBC-10 is included with each antenna)