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SC6185  
(SRL6185)

Aviation band antenna, 3 dBd gain, HD, 225-400 MHz

- Ideal for severe weather conditions at airports
- Single antenna model only
- Available with bird resistant cap and 3 ft. extension cable

Fabricated using lightweight rugged components to insure easy installation while providing superior resistance to harsh environmental conditions. These antennas provide reliable omnidirectional coverage.



www.sinctech.com



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Product Specification Sheet  
EPR 016345

SC6185

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**Notes**

\*1 : 30 to 60 degrees

**Electrical Specifications**

Frequency Range	MHz	225 to 400	
Gain (nominal)	dBd (dBi)	2.9 (5)	
Input VSWR (max)		2.5:1	
Polarization		vertical	
Impedance	$\Omega$	50	
Pattern		Omni-directional	
Vertical beamwidth	degrees	30	*1
Average Power Input (max)	W	100	
Lightning protection		DC ground	
Bandwidth	MHz	175	
Electrical tilt (available)		2-6	

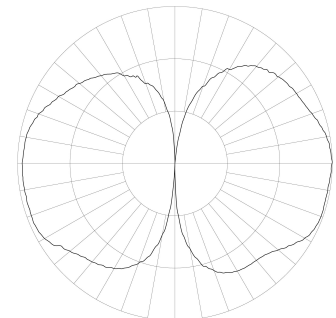
**Mechanical Specifications**

Connector		N (male)	
Width	in (mm)	4 (102)	
Depth	in (mm)	4 (102)	
Base pipe diameter	in (mm)	4 (102)	
Base pipe mounting length	in (mm)	10 (254)	
Weight	lbs (kg)	24.5 (11.1)	
Weight iced	lbs (kg)	39.5 (17.9)	
Actual Shipping weight	lbs (kg)	36 (16.3)	
Shipping dimensions	in (mm)	90x6x6 (2286x152x152)	
Length	in (mm)	76 (1930)	

**Environmental Specifications**

Temperature range	$^{\circ}\text{F}$ ( $^{\circ}\text{C}$ )	-40 to +140 (-40 to +60)	
Wind Loading Area (Flat Plate Equivalent)	$\text{ft}^2$ ( $\text{m}^2$ )	1.22 (0.11)	
Wind Loading Area (ice)	$\text{ft}^2$ ( $\text{m}^2$ )	1.57 (0.15)	
Rated wind velocity (no ice)	mph (km/h)	275 (443)	
Rated wind velocity (1/2" radial ice)	mph (km/h)	225 (362)	
Lateral thrust (100mph)	lbs (N)	47 (209.1)	
Bending moment	ft-lbs (Nm)	144 (194.4)	
Tip deflection	degrees	0.1	

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Elevation  
Relative Gain - 10 dB per Division