

SC6185-E3818 Aviation band, HD, 3 dBi, 3' pig tail, 225-400 MHz

Also referred as: SRL6185

- Ideal for severe weather conditions at airports
- 3' pig tail
- 100 Watt power handling

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



Antenna may not appear exactly as picture.

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR		SC6185-E3818	Issue: 4	Dated: 14-12-16 Dated: 01-11-16

Electrical Specifications

Frequency Range	MHz	225 to 400	
Bandwidth	MHz	175	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	0.9 (3)	*1
Input VSWR (max)		2:1	
Polarization		vertical	
Pattern		Omni-directional	
Vertical beamwidth (typ)	degrees	30	*2
Average Power Input (max)	W	100	
Lightning protection		DC ground	
Electrical tilt (available)		2-6	

Notes

- *1 : 3 to 5 dBi
- *2 : 30 to 60 degrees

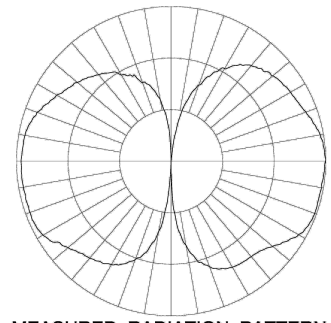
Mechanical Specifications

Width	in (mm)	4 (102)
Depth	in (mm)	4 (102)
Length	in (mm)	76 (1930)
Base pipe diameter	in (mm)	4 (102)
Base pipe mounting length	in (mm)	10 (254)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	24.5 (11.12)
Weight iced (1/2" ice)	lbs (kg)	39.5 (17.93)
Actual shipping weight	lbs (kg)	36 (16.34)
Shipping dimensions	in (mm)	90x6x6 (2286x152x152)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.22 (0.11)
Wind Loading Area (1/2" ice)	ft² (m²)	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 (100 mph No Ice)	lbs (N)	47 (209.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	144 (194.4)
Tip deflection (100 mph No Ice)	degrees	0.1

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MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

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