

SG238-SF2SNM Ground plane omni, 0 dBd, 136-160 MHz

Also referred as: SRL238NM*2

- Broadband omnidirectional antenna for ground-to-air applications
- Aluminum alloy and stainless steel construction
- A heavy-duty version is also available

The SG238 is a broadband omnidirectional antenna offering a low VSWR over the 136-160 MHz frequency range. Constructed of selected aluminum alloy and stainless steel, the SG238 is designed to withstand winds of 110 mph while supporting 0.5 inches of radial ice. The antenna is at DC ground potential for lightning protection.



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

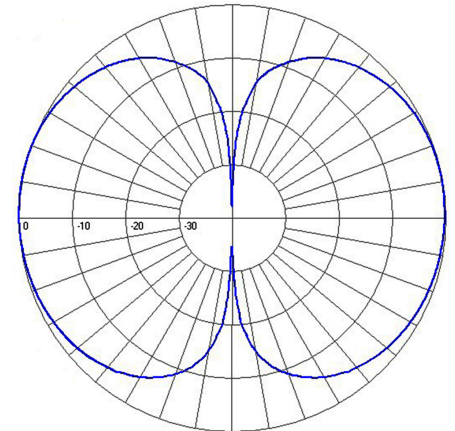
Frequency Range	MHz	136 to 160
Connector		N-Male
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		2:1
Polarization		vertical
Pattern		Omn-directional
Vertical beamwidth (typ)	degrees	71
Average Input Power (max)	W	250
Lightning protection		DC ground

Mechanical Specifications

Width	in (mm)	26.5 (673)
Depth	in (mm)	26.5 (673)
Length/ Height	in (mm)	67 (1702)
Base pipe diameter	in (mm)	1.5 (38)
Base pipe mounting length	in (mm)	15 (381)
Weight	lbs (kg)	11.5 (5.22)
Weight iced (1/2" ice)	lbs (kg)	19.8 (8.99)
Mounting Hardware (Included)		Clamp135
Shipping dimensions	in (mm)	73x5x6 (1854x127x152)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	0.57 (0.05)
Wind Loading Area (1/2" ice)	ft ² (m ²)	1.33 (0.12)
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	110 (177)
Lateral Thrust (100 mph No Ice)	lbs (N)	23 (102.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	38 (51.3)
Tip deflection (100 mph No Ice)	degrees	0.54



Elevation

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com