

**SG238-HF1SNM**      Ground plane omni, 0 dBd, HD, 118-138 MHz

Also referred as: SRL238HD\*1

- Broadband Omni-directional antenna for ground-to-air applications
- Aluminum alloy and stainless steel construction
- Heavy-duty version

The SG238 is a broadband omni-directional antenna offering a low VSWR over the operating frequency range. Constructed of selected aluminum alloy and stainless steel, the SG238 is designed to withstand winds of 155 mph while supporting 0.5 inches of radial ice. The antenna is at DC ground potential for lightning protection.



Antenna may not appear exactly as picture.

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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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### Electrical Specifications

Frequency Range	MHz	118 to 138
Connector		N-Male
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		2:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	71
Average Input Power (max)	W	250
Lightning protection		DC ground

### Notes

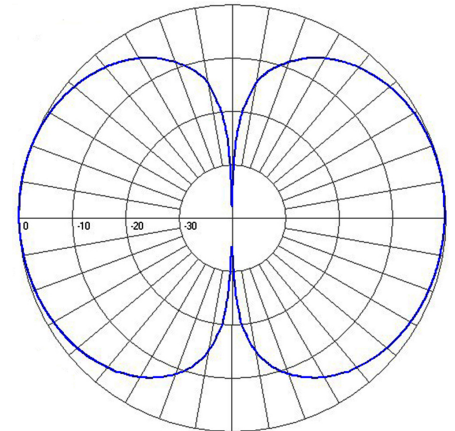
\*1 : Qty 2

### 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)	1.9 (48)
Base pipe mounting length	in (mm)	15 (381)
Weight	lbs (kg)	21.2 (9.62)
Weight iced (1/2" ice)	lbs (kg)	30 (13.62)
Mounting Hardware (Included)		Clamp130
Actual shipping weight	lbs (kg)	28 (12.71)
Shipping dimensions	in (mm)	72x3x5 (1829x76x127)

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.79 (0.07)
Wind Loading Area (1/2" ice)	ft² (m²)	1.54 (0.14)
Rated wind velocity (no ice)	mph (km/h)	220 (354)
Rated wind velocity (1/2" radial ice)	mph (km/h)	155 (250)
Lateral Thrust (100 mph No Ice)	lbs (N)	31 (137.9)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	51 (68.9)



**Elevation**

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