

SV227-SF1SNM Corner reflector directive, 7 dBd, 130-150 MHz

Also referred as: SRL227*1

- Folded dipole feed permits operation in severe conditions
- High power and heavy duty models available
- VSWR will not exceed 2.0:1 even with 0.5 in. of radial ice

Excellent broadband high gain corner reflector for use int 138-174 MHz frequency range. Its folded dipole feed permits operation under severe weather and ice conditions without significant change in pattern or VSWR. Even with 0.5 in of radial ice, the antenna VSWR will not exceed 2.0:1. Higher power and/or heavy-duty models are available.



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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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Product Specification Sheet		SV227-SF1SNM	Issue: 2	Dated: 14-12-16

Electrical Specifications

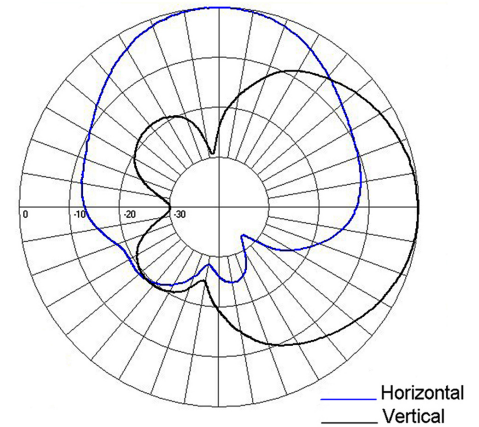
Frequency Range	MHz	130 to 150
Bandwidth	MHz	20
Connector		N-Male
Gain (nominal)	dBd (dBi)	7 (9.1)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	67
Vertical beamwidth (typ)	degrees	75
Average Power Input (max)	W	250
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	30

Mechanical Specifications

Width	in (mm)	75 (1905)
Depth	in (mm)	60 (1524)
Length/ Height	in (mm)	55.3 (1405)
Radiating element material		aluminum
Weight	lbs (kg)	32.5 (14.76)
Weight iced (1/2" ice)	lbs (kg)	119 (54.03)
Mounting Hardware (Included)		Clamp004
Actual shipping weight	lbs (kg)	75 (34.05)
Shipping dimensions	in (mm)	120x15x6 (3048x381x152)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	9.3 (0.86)
Wind Loading Area (1/2" ice)	ft² (m²)	17 (1.58)
Rated wind velocity (no ice)	mph (km/h)	130 (209)
Rated wind velocity (1/2" radial ice)	mph (km/h)	90 (145)
Lateral thrust (100 mph No Ice)	lbs (N)	240 (1067.5)



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