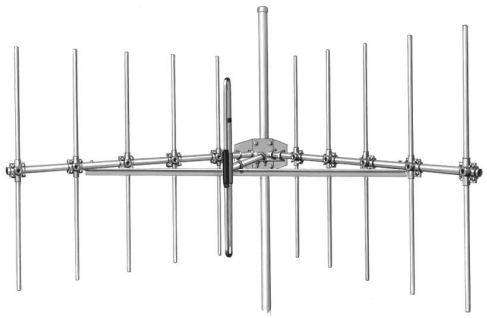
SV227-SF2SNM

Corner reflector directive, 7 dBd, 148-174 MHz

Also referred as: SRL227*2

- 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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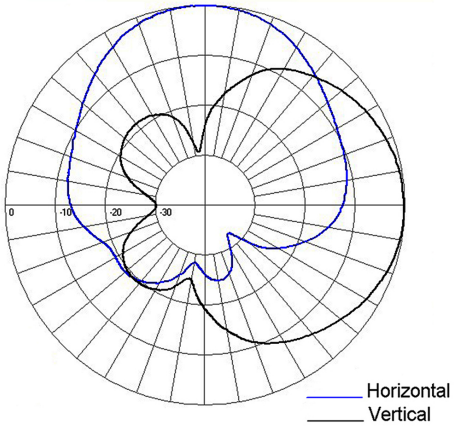
Electrical Specifications		
Frequency Range	MHz	148 to 174
Bandwidth	MHz	26
Connector		N-Male
Gain (nominal)	dBd (dBi)	7 (9.1)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	67
Vertical beamwidth (typ)	degrees	75
Average Power Input (max)	W	250
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	30

Mechanical Specifications		
Depth	in (mm)	49 (1245)
Length/ Height	in (mm)	48 (1219)
Width	in (mm)	69.3 (1760)
Radiating element material		aluminum
Weight	lbs (kg)	28.3 (12.85)
Weight iced	lbs (kg)	101 (45.85)
Mounting Hardware (Standard)		Clamp004
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)	5.3 (0.49)
Wind Loading Area (1/2" ice)	ft² (m²)	9.2 (0.85)
Rated wind velocity (no ice)	mph (km/h)	135 (217)
Rated wind velocity (1/2" radial ice)	mph (km/h)	95 (153)
Lateral thrust (100 mph No Ice)	lbs (N)	202 (898.5)



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