

SY203-SF1SNM(C) Yagi directional, 5.5 dBd, center mount, 138-144 MHz

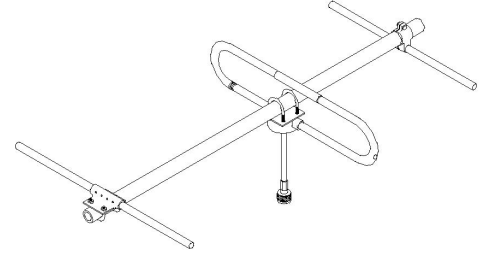
Also referred as: SRL212NM*1

- Rugged 3-element yagi, 5.5 dBd gain
- Designed for medium gain applications
- Center-boom mounting

The SY203 series of antennas consist of a 3-element yagi of outstanding durability and performance. All elements including the folded dipole are maintained at DC Ground potential for lightning protection. All elements on this antenna are attached to the boom with solid cast aluminum clamps.

This highly versatile antenna is supplied as a standard mount yagi, or the SY203-EB series can be ordered for end-boom mounting.

As with other yagis, this VHF antenna is available in multiple-unit arrays for added gain.



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| Product Specification Sheet EPR 017606 | | SY203-SF1SNM(C) | Issue: 61 | Dated: 14-12-16 Dated: 01-10-13 |

Electrical Specifications

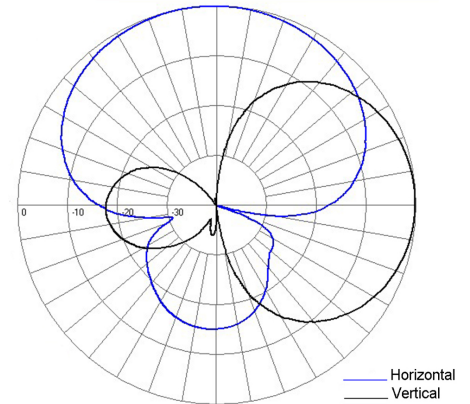
| | | |
|----------------------------|-----------|------------------------|
| Frequency Range | MHz | 138 to 144 |
| Bandwidth | MHz | 6 |
| Connector | | N-Male |
| Gain (nominal) | dBd (dBi) | 5.5 (7.6) |
| Input VSWR (max) | | 1.5:1 |
| Polarization | | vertical or horizontal |
| Pattern | | Directional |
| Horizontal beamwidth (typ) | degrees | 87 |
| Vertical beamwidth (typ) | degrees | 61 |
| Average Power Input (max) | W | 200 |
| Lightning protection | | DC ground |
| Front-to-back ratio (typ) | dB | 12 |

Mechanical Specifications

| | | |
|------------------------------|----------|------------------------|
| Width | in (mm) | 42 (1067) |
| Depth | in (mm) | 6.5 (165) |
| Length/ Height | in (mm) | 40.1 (1019) |
| Radiating element material | | aluminum |
| Reflector material | | aluminum |
| Weight | lbs (kg) | 3.2 (1.45) |
| Mounting Hardware (Included) | | Clamp001 |
| Actual shipping weight | lbs (kg) | 15 (6.81) |
| Shipping dimensions | in (mm) | 47x6x18 (1194x152x457) |

Environmental Specifications

| | | |
|---|-----------------------------------|--------------|
| Wind Loading Area (Flat Plate Equivalent) | ft ² (m ²) | 0.8 (0.07) |
| Wind Loading Area (1/2" ice) | ft ² (m ²) | 1.68 (0.16) |
| Rated wind velocity (no ice) | mph (km/h) | 150 (242) |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 110 (177) |
| Lateral thrust (100 mph No Ice) | lbs (N) | 29.5 (131.2) |
| Bending moment (100 mph No Ice) | ft-lbs (Nm) | 8.1 (10.9) |



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