

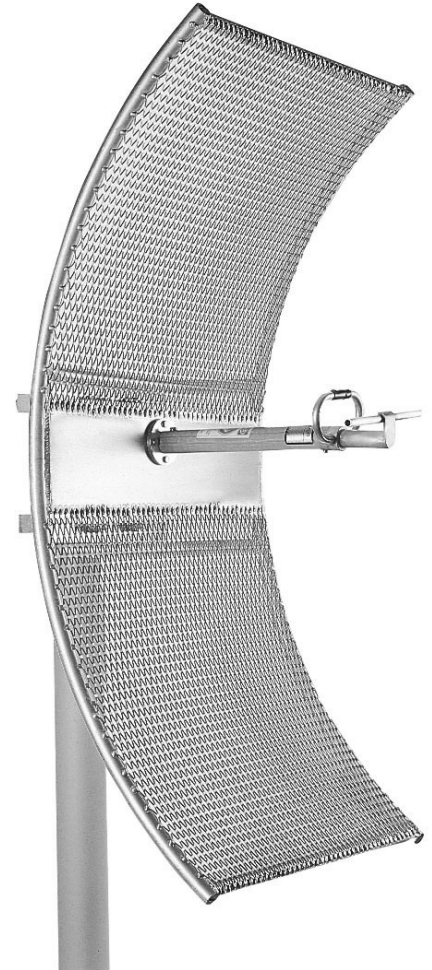
SV460-SF2SNM Parabolic reflector directive, 15 dBd, 890-965 MHz

Also referred as: SRL460N*2

- Parabolic cylinder reflector with a dipole-reflector assembly and back-firing primary radiator
- Wideband, high gain antenna
- Meshed reflector for 15 dBd version; Solid reflector for 16 dBd version

The SV460 antenna is a parabolic cylinder reflector with a dipole-reflector assembly, back-firing primary radiator. This wideband antenna was developed to provide more gain than a corner reflector can produce, yet be more economical than a parabolic dish. To order this version for the 952-960 MHz band, please specify SV460V. Heavier duty and/or higher power models are available on special order.

15 dBd version



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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 | 890 to 965 | |
| Connector | | N-Male | |
| Gain (nominal) | dBd (dBi) | 15 (17.1) | |
| Input VSWR (max) | | 1.5:1 | |
| Polarization | | vertical or horizontal | |
| Pattern | | Directional | |
| Horizontal beamwidth (typ) | degrees | 16 | *1 |
| Vertical beamwidth (typ) | degrees | 30 | *2 |
| Average Power Input (max) | W | 75 | |
| Lightning protection | | DC ground | |
| Front-to-back ratio (typ) | dB | 25 | |

Notes

*1 : Vertical Polarization

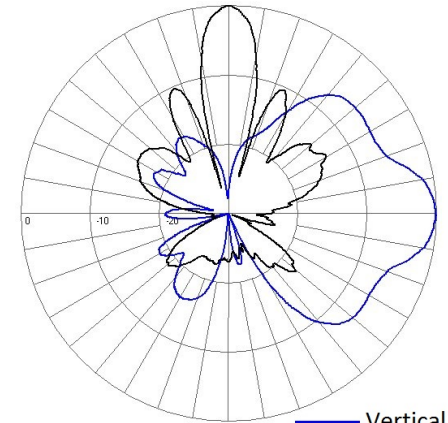
*2 : Vertical Polarization

Mechanical Specifications

| | | |
|------------------------------|----------|-------------------------|
| Width | in (mm) | 25 (635) |
| Depth | in (mm) | 18.3 (465) |
| Length/ Height | in (mm) | 56 (1422) |
| Weight | lbs (kg) | 20 (9.08) |
| Mounting Hardware (Included) | | Clamp004 |
| Actual shipping weight | lbs (kg) | 50 (22.7) |
| Shipping dimensions | in (mm) | 58x21x28 (1473x533x711) |

Environmental Specifications

| | | |
|---|------------|--------------------------|
| Temperature range | °F (°C) | -40 to +140 (-40 to +60) |
| Wind Loading Area (Flat Plate Equivalent) | ft² (m²) | 5.4 (0.5) |
| Wind Loading Area (1/2" ice) | ft² (m²) | 5.7 (0.53) |
| Rated wind velocity (no ice) | mph (km/h) | 100 (161) |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 85 (137) |
| Lateral thrust (100 mph No Ice) | lbs (N) | 297 (1321.1) |



— Vertical
— Horizontal

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