

SP470-SF4P60SNF Panel directive, 8.5 dBd, 60° Horizontal beamwidth, 890-960 MHz

Also referred as: SRL470

- Compact panel antenna
- Discreet profile featuring a rugged ASA radome
- Horizontal or vertical polarization

The SP470 series of panel antennas are compact radome-enclosed antennas that can be horizontally or vertically polarized. When mounted onto a support pipe, the antenna can be rotated to adjust for beam direction.



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Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet
EPR 016194
Customer Tech Manual 005076

SP470-SF4P60SNF

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Electrical Specifications

Frequency Range	MHz	890 to 960
Bandwidth	MHz	70
Connector		N-Female
Gain (nominal)	dBd (dBi)	8.5 (10.6)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	60
Vertical beamwidth (typ)	degrees	45
Average Input Power (max)	W	100
Front-to-back ratio (Typ)	dB	20
Lightning protection		DC ground

Mechanical Specifications

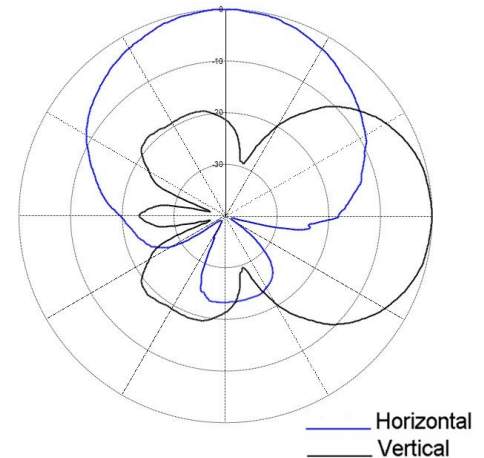
Width	in (mm)	14 (356)
Depth	in (mm)	5.3 (135)
Length/ Height	in (mm)	12 (305)
Radome material		ASA plastic
Weight	lbs (kg)	3.2 (1.45)
Mounting Hardware (Included)		Clamp166 *1
Actual shipping weight	lbs (kg)	10 (4.54)
Shipping dimensions	in (mm)	19x13x7 (483x330x178)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	1 (0.09)
Wind Loading Area (1/2" ice)	ft ² (m ²)	1.1 (0.1)
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)	34 (151.2)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	4 (5.4)

Notes

*1 : One Clamp166 kit, includes 2 clamps.



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