

SP470-SF2P60SNF Panel directive, 8.5 dBd, 60° Horizontal beamwidth, 824-894 MHz

Also referred as: SRL470

- Compact panel antenna
- Discreet profile featuring a strong ABS 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.



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 EPR 016194 Customer Tech Manual 005076		SP470-SF2P60SNF	Issue: 11	Dated: 24-07-17 Dated: 22-07-15

Electrical Specifications

Frequency Range	MHz	824 to 894
Bandwidth	MHz	70
Connector		N-Female
Gain (nominal)	dBi (dBd)	10.6 (8.5)
Input VSWR (max)		1.5:1
Polarization		horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	60
Vertical beamwidth (typ)	degrees	45
Average Power Input (max)	W	100
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	20

Notes

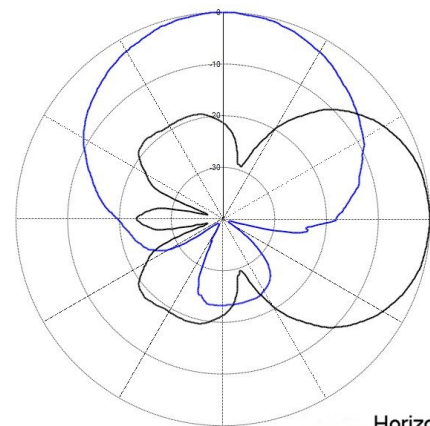
*1 : One Clamp166 kit, includes 2 clamps.

Mechanical Specifications

Width	mm (in)	356 (14)
Depth	mm (in)	135 (5.3)
Length/ Height	mm (in)	305 (12)
Radome material		ABS plastic
Weight	kg (lbs)	1.45 (3.2)
Mounting Hardware (Included)		Clamp166 *1
Actual shipping weight	kg (lbs)	4.54 (10)
Shipping dimensions	mm (in)	305x1041x152 (12x41x6)

Environmental Specifications

Temperature range	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m ² (ft ²)	0.09 (1)
Wind Loading Area (1/2" ice)	m ² (ft ²)	0.1 (1.1)
Rated wind velocity (no ice)	km/h (mph)	161 (100)
Rated wind velocity (1/2" radial ice)	km/h (mph)	137 (85)
Lateral Thrust (100 mph No Ice)	N (lbs)	151.2 (34)
Torsional moment (100 mph No Ice)	Nm (ft-lbs)	5.4 (4)



— Horizontal
— Vertical

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