

SP470-SF4P75SNF Panel directive, 6.5 dBd, 75° Horizontal beamwidth, 900-920 MHz

Also referred as: SRL470WB

- Compact panel antenna
- Discreet profile featuring a strong ABS radome
- Horizontal or vertical polarization, 60 or 75 degree horizontal beamwidth

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
<b>Telephone</b>	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet EPR 016688 Customer Tech Manual 005076		SP470-SF4P75SNF	Issue: 5	Dated: 08-10-13 Dated: 30-09-13

#### Electrical Specifications

Frequency Range	MHz	900 to 920
Bandwidth	MHz	20
Connector		N-Female
Gain (nominal)	dBi (dBd)	8.6 (6.5)
Input VSWR (max)		1.5:1
Polarization		horizontal
Impedance	$\Omega$	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	75
Vertical beamwidth (typ)	degrees	55
Average Power Input (max)	W	100
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	15

#### Mechanical Specifications

Depth	mm (in)	135 (5.3)
Length/ Height	mm (in)	305 (12)
Width	mm (in)	279 (11)
Weight	kg (lbs)	1.45 (3.2)
Mounting Hardware (Standard)		Clamp166
Actual Shipping weight	kg (lbs)	4.54 (10)
Shipping dimensions	mm (in)	305x1041x152 (12x41x6)

#### Environmental Specifications

Temperature range	$^{\circ}\text{C}$ ( $^{\circ}\text{F}$ )	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	$\text{m}^2$ ( $\text{ft}^2$ )	0.09 (1)
Wind Loading Area (1/2" ice)	$\text{m}^2$ ( $\text{ft}^2$ )	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)

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet		SP470-SF4P75SNF	Issue: 5	Dated: 08-10-13
EPR 016688				Dated: 30-09-13
Customer Tech Manual 005076				