

SE4192-SWBP2LDF(DXX-NUF)

Enclosed dipole, bi-directional, 11.5 dBd, low PIM, null fill, 746-960MHz

Also referred as: SE4192-SWBP2LDF(DXX-E6461)

- New wide band design covers 746-960 MHz band
- Optimized Null fill for close-in coverage enhancement
- Low PIM and Peak Instantaneous Power (PIP) rated
- 0-10° electrical downtilt available

One wideband antenna for your 700, 800, 900 MHz systems. Sinclair's SE4192-WBL series of enclosed dipole arrays offer excellent intermodulation performance covering 746-960 MHz in a single antenna. These highly versatile antennas are particularly well suited to communication systems where a specific coverage pattern is required. These include cellular systems, trunked radio, paging, and data transmission, where predictable and highly reliable performance is a must. Designed for multi-channel systems, the PIP rated SE4192-WBL series features with low intermodulation products, highly rated average power and peak instantaneous power.

The SE4192-WBL series is also available with field adjustable reflectors that provide horizontal beamwidths between 60 and 160 degrees (See SE4192-WBAL). The creative design and construction permits excellent pattern control and greater efficiency.

This antenna should be mounted in an upright position.

When ordering, please refer to the chart below for the model number. Downtilt configurations are subject to various list price. Please contact your Sinclair Sales Representative or Customer Service Representative for more information.

Model Number	Downtilt
SE4192-SWBP2LDF(D00-NuF)	0°
SE4192-SWBP2LDF(D01-NuF)	1°
SE4192-SWBP2LDF(D02-NuF)	2°
SE4192-SWBP2LDF(D03-NuF)	3°
SE4192-SWBP2LDF(D04-NuF)	4°
SE4192-SWBP2LDF(D05-NuF)	5°
SE4192-SWBP2LDF(D06-NuF)	6°
SE4192-SWBP2LDF(D07-NuF)	7°
SE4192-SWBP2LDF(D08-NuF)	8°
SE4192-SWBP2LDF(D09-NuF)	9°
SE4192-SWBP2LDF(D10-NuF)	10°



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

Frequency Range	MHz	746 to 960
Bandwidth	MHz	214
Connector		7/16 DIN-Female
Gain (nominal)	dBi (dBD)	13.6 (11.5)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	3.5
Average Power Input (max)	W	500
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
PIP(KW, max)		25
Null fill	%	25
Lightning protection		DC ground
Electrical tilt (available)		0 to 10 degrees

Notes

- *1 : Clamps not included in measurement
- *2 : Clamps not included in measurement

Mechanical Specifications

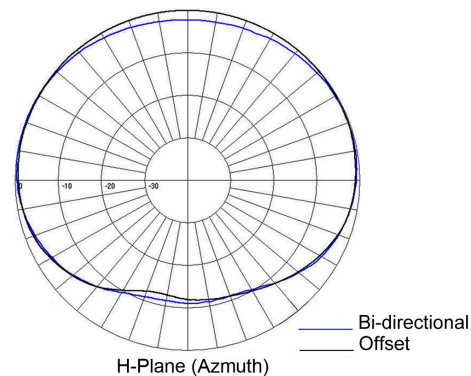
Width	mm (in)	74 (2.9)	*1
Depth	mm (in)	216 (8.5)	*2
Length/ Height	mm (in)	5486 (216)	
Base pipe diameter	mm (in)	73 (2.88)	
Base pipe mounting length	mm (in)	4483 (176.5)	
Radiating element material		prntd circuit bd	
Weight	kg (lbs)	25.42 (56)	
Weight iced (1/2" ice)	kg (lbs)	61.29 (135)	
Mounting Hardware (Included)		Clamp130	
Mounting configurations		upright	
Shipping dimensions	mm (in)	5563x330x381 (219x13x15)	

Environmental Specifications

Temperature range	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m ² (ft ²)	0.78 (8.37)
Wind Loading Area (1/2" ice)	m ² (ft ²)	0.98 (10.59)
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)	1948.2 (438)
Torsional moment (100 mph No Ice)	Nm (ft-lbs)	253.8 (188)

Ordering Information

When ordering, please refer to the model list on the previous page for specific model numbers and downtilt configurations.



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