

## SI240F-O SERIES In-building antenna, omni, wide band, low profile, low PIM, 132-960 MHz

- Ultra low profile non-protruding form factor that blends into any environment easily
- Patent-pending design
- One antenna covering all public safety bands, Incl. VHF, UHF, 700/800/900 MHz
- Public safety grade, compliant with the industry in-building fire regulations

Sinclair's new SI240F-O in-building antenna features a patent-pending design and is developed specifically for public safety DAS applications where reliability and coverage are key. The radome material is specially selected to satisfy the fire retardancy requirement, the cables are plenum rated, and the exposed components are also low smoke and halogen-free. This means these antennas fully meet the stringent in-building fire regulations laid out by the regulatory authorities such as National Fire Protection Association (NFPA), etc. Coverage is also critical for first responders; these antennas are optimized with superior efficiency to provide optimal signal strength for mission-critical communications.

The SI240F-O can be ceiling or wall-mounted, depending on your requirements and features a ground plane independent design for ease of installation.

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



Model Number	Connector
SI240F-OWBL4F	4.3-10(f)
SI240F-OWBLNF	N(f)

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+1 905 727 0165 ext 232	Canada: 1 905 726 7676 International: +1 905 726 7676	+1 905 727 0165 ext 287
E-mail	salesusa@sinctech.com	salesemea@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

## Electrical Specifications

Frequency Range 1 (F1)	MHz	132 to 174	
Bandwidth (F1)	MHz	42	
Frequency Range 2 (F2)	MHz	350 to 520	
Bandwidth (F2)	MHz	170	
Frequency Range 3 (F3)	MHz	698 to 960	
Bandwidth (F3)	MHz	262	
Gain F1 (typical)		-3 to -1 dBi	*1
Gain F2 (typical)		0 to 2 dBi	*2
Gain F3 (typical)		1 to 4 dBi	*3
Connector		Various options avail.	*4
VSWR (max)		2:1	
Impedance	Ω	50	
Pattern		Omni-directional	
Average Input Power (max)	W	6	
Passive Intermod.	dBc	-153	*5

## Notes

- \*1 : ± 1 dB
- \*2 : ± 1 dB
- \*3 : ± 1 dB
- \*4 : Please see previous chart for detail.
- \*5 : @ 2x34.7dBm (2x3Watts), 3rd order.
- \*6 : Plenum rated
- \*7 : UL94-V0, LSZH

## Mechanical Specifications

Width	in (mm)	15.4 (391)	
Depth	in (mm)	16.7 (424)	
Height	in (mm)	0.5 (13)	
Cable length (nominal)		20 in (50cm)	*6
Radome material		fiberglass	*7
Weight	lbs (kg)	1.5 (0.68)	
Mounting Hardware (Included)		Supplied	
Mounting configurations		Through-hole universal mount	
Actual shipping weight	lbs (kg)	3.5 (1.59)	
Shipping dimensions	in (mm)	18.25x18.25x2.75 (464x464x70)	
Colour		White	
Ingress protection		IP65	

## Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
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