

SW-2340(X)-(Y) Mobile omni whip antenna, rugged design, tri-band covering 136-960 MHz

- Multi-band radio support - one antenna that covers VHF/UHF/700/800/900MHz bands
- Long life - rugged construction that features over-molding technology
- Stylish and Robust - low profile housing that is not only stylish but also minimizes potential damage from overhangs

Sinclair has been proudly offering the legendary Excelsior family whip antenna line for decades. Now we are rolling out the newest member of the family, the SW series. Based upon years of market study and customer feedback, the new SW series whip antenna features an optimized mechanical design for outstanding reliability in-field use. The new materials used also give the antenna an extra ruggedness, and an extended operating temperature range, from -45 to +60 Celsius degrees, which allows the antenna to be used for wider applications. Fittings are constructed of stainless steel to inhibit rust and corrosion and are molded into the housing without the use of glue or fasteners to ensure a long-lasting, reliable product, even in severe environments.



Stainless steel version shown

When ordering, please refer to the chart below for the exact part number and configuration.

Part#	Color	Shock Spring
SW-2340S-1	Stainless steel	Yes
SW-2340SB-1	Black	Yes

Note:
No tuning is needed, this antenna covers all the bands listed on the 2nd page.
Mounting kit (NMO interface) must be ordered separately.

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com
Product Specification Sheet EPR		SW-2340(X)-(Y)	Issue: 5	Dated: 06-08-21 Dated: 06-08-21

Electrical Specifications

Frequency Range 1 (F1)	MHz	136 to 174	
Bandwidth (F1)	MHz	38	
Frequency Range 2 (F2)	MHz	430 to 512	
Bandwidth (F2)	MHz	82	
Frequency Range 3 (F3)	MHz	694 to 960	
Gain F1 (nominal)	dBd (dBi)	-0.2 (2)	*1
Bandwidth (F3)	MHz	266	
Input VSWR 1 (Typ)		2.35:1	*2
Gain F2 (nominal)	dBd (dBi)	1.9 (4)	*3
Input VSWR 2 (max)		2:1	*4
Gain F3 (nominal)	dBd (dBi)	2.9 (5)	*5
Input VSWR 3 (max)		2:1	*6
Connector		NMO	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	
Average Input Power (max)	W	100	

Notes

- *1 : ±1 dB. Measured on 1.2x2.2m ground plane.
- *2 : VSWR 2.35:1(typ) and 2.5:1(max). Measured with 5m cable on 1.2x2m ground plane
- *3 : ±1 dB. Measured on 1.2x2.2m ground plane.
- *4 : Measured with 5m cable on 1.2x2m ground plane
- *5 : ±1 dB. Measured on 1.2x2.2m ground plane.
- *6 : Measured with 5m cable on 1.2x2m ground plane
- *7 : ±1 in

Mechanical Specifications

Width	in (mm)	1.83 (46)	
Depth	in (mm)	1.83 (46)	
Length/ Height	in (mm)	20.25 (514)	*7
Mounting configurations		upright	
Ingress protection		IP67	
RoHS		Compliant	

Environmental Specifications

Temperature range	°F (°C)	-49 to +140 (-45 to +60)
-------------------	---------	--------------------------

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com
Product Specification Sheet		SW-2340(X)-(Y)	Issue: 5	Dated: 06-08-21
EPR				Dated: 06-08-21