

SW-1560(X) Mobile omni whip antenna, 0 dBd, 1/4 wave, ultra rugged, 138-174 MHz

- Optimized mechanical design and rugged material for extended life cycle in the field
- Exceptional operational temperature range for various applications
- The whip is made of highest grade stainless steel capable of operating in extreme conditions
- Weather proof base with integral sealing gasket

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 optimized mechanical design for outstanding reliability in field use. The new materials used also gives 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.

One whip length for the entire frequency range of 138 to 174 MHz.

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

Part#	Color	Shock spring
SW-1560	Stainless steel	-
SW-1560S	Stainless steel	Yes

Mount must be ordered separately.



Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet		SW-1560(X)	Issue: 2	Dated: 20-04-21
EPR				Dated: 20-04-21
Customer Tech Manual				

Electrical Specifications

Frequency Range	MHz	138 to 174	
Bandwidth	MHz	36	
Connector		NMO	
Gain (nominal)	dBd (dBi)	unity (2.1)	*1
Input VSWR (max)		1.5:1	*2
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni- directional	
Average Input Power (max)	W	150	

Notes

*1 : ±1 dBd

*2 : maximum over the entire bandwidth

Mechanical Specifications

Length/ Height	in (mm)	24.5 (622)
Mounting configurations		upright

Environmental Specifications

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