

[< Home](#)
[< Family](#)

SHA211 Series

Concealed Bumper Mount Antenna for Undercover Vehicles, 138-174 MHz

- Completely hidden-does not need any existing vehicle antennas
- Available in field tunable narrow band version or broadband version depending on the vehicle
- Easy installation and tuning for optimum performance and durability
- Applicable for both covert and overt law enforcement vehicles

Sinclair's concealed bumper mount antennas SHA211 series are designed for law-enforcement vehicles. The antennas are hidden inside the bumper and weatherproofed. The bumper covers must be plastic.

The antenna is integrated with a 17feet RG58 feed cable. In addition to the N male connector attached to the RG58 cable, three separate connectors are supplied with the antenna including N male, UHF male and mini UHF male.

Attention: The antenna must be installed and weathproofed properly following the installation instruction. For particular vehicles or wideband applications, please contact Sinclair sales representative or CSR for custom designs to achieve the optimum performance. Dual antennas (one in the front bumper and one in the rear) can be used for better omni coverage.



Application Notes

- Bandwidth is dependent upon the type of vehicle and mounting position.

Model	Description	Pattern
SHA211-SF1SNM	Concealed Bumper Mount Antenna for Undercover Vehicles, 138-150 MHz	Omni- directional
SHA211-SF2SNM	Concealed Bumper Mount Antenna for Undercover Vehicles, 150-174 MHz	Omni- directional

www.sinctech.com



Australian Representatives
ROJONE, PTY LTD.
Tel: 02 9829 1555
E: sales@rojone.com.au
www.rojone.com.au

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) 1223 42 03 03	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		SHA211 Series		Dated: 05-02-10

[SHA211-SF1SNM](#)

[SHA211-SF2SNM](#)

Electrical Specifications

Frequency Range, MHz	138 to 150	150 to 174
Gain (nominal), dBd (dBi)	unity (2.1)	unity (2.1)
Input VSWR (max)	2:1	2:1
Polarization	vertical	vertical
Impedance, Ω	50	50
Pattern	Omni- directional	Omni- directional
Average Power Input (max), W	50	50
Bandwidth (Min-Max), MHz	3 to 24	3 to 24

Mechanical Specifications

Connector	N (male)	N (male)
Length/ Height, in (mm)	28 (711)	28 (711)
Width, in (mm)	3 (76)	3 (76)
Depth, in (mm)	2 (51)	2 (51)
Weight, lbs (kg)	2 (0.9)	2 (0.9)
Shipping dimensions, in (mm)	9x14x5 (229x356x127)	9x14x5 (229x356x127)
Mounting hardware	#8-32 screws (4)	#8-32 screws (4)

Environmental Specifications

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

Patent Pending

SHA211-SF1SNM

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) 1223 42 03 03	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