

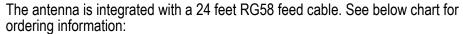
A Norsat Company in Norsat

SHA411-SF1S(XX) Concealed bumper mount antenna, 40-70 MHz B.W., 746-806 MHz

- · Completely hidden-does not need any existing vehicle antennas
- · Wide band with 40 to 70 MHz bandwidth depending on the vehicle
- · Easy installation and tuning for optimum performance and durability in a wide variety of vehicles
- · Applicable for both covert and overt law enforcement vehicles

Sinclair's patented concealed bumper mount antennas SHA411 series are designed for law-enforcement vehicles. The antennas are hidden inside the bumper and weatherproofed. The bumper covers must be plastic. Featuring a unique modular design that integrates all the components into a compact waterproof housing making it possible to install the antenna with minor modifications to the bumper. These antennas are mounted with simplicity and ease beneath the bumper cover thereby totally concealing the antenna from sight. A fine-tuning adjustment permits performance optimization during installation.

Attention: The antenna must be installed properly following the installation instruction. For some unique vehicles, 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. The antenna must be installed and weatherproofed properly following the installation instruction. The phasing harness and the joints to the two SHA411 antennas are not weatherproofed, so they must be placed inside the vehicle.



Model Name Connector SHA411-SF1SNM N-male, loose SHA411-SF1SUM UHF-male, loose SHA411-SF1SQM QMA-male, pre-installed

Note: the connector is provided loose for ease of cable running inside the vehicle and will need to be crimped on by the customer unless otherwise specified (see chart above). Other connectors and cable configuration options are available. Contact your Sinclair Sales Representative or Customer Service Representative for details.

Application Notes

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



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 Specificatio	n Sheet	SHA411-SF1S(XX)	Issue: 5	Dated: 27-08-21

Page 1/2



Stealth Antenna Stealth Antennas SHA411 Series

A Norsat Company Norsat

Electrical Specifications			
Frequency Range	MHz	746 to 806	
Bandwidth (Min-Max)	MHz	40 to 70	**
Connector		Various options avail.	*2
Gain (nominal)	dBd (dBi)	unity (2.1)	
Input VSWR (max)		2:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni- directional	
Average Innut Dower (may)	W	150	
Average Input Power (max)	VV	130	
Mechanical Specifications			
Mechanical Specifications Width	in (mm)	3 (76)	
Mechanical Specifications Width Depth		3 (76) 2 (51)	
Mechanical Specifications Width	in (mm) in (mm)	3 (76)	
Mechanical Specifications Width Depth Length/ Height	in (mm) in (mm)	3 (76) 2 (51) 10.5 (267)	
Mechanical Specifications Width Depth Length/ Height Mounting Hardware (Universal mount)	in (mm) in (mm) in (mm)	3 (76) 2 (51) 10.5 (267) #8-32 screws (4)	
Mechanical Specifications Width Depth Length/ Height Mounting Hardware (Universal mount)	in (mm) in (mm) in (mm)	3 (76) 2 (51) 10.5 (267) #8-32 screws (4)	

Notes

- *1 : Depending on vehicle
- *2 : See previous page for detail.

Ordering Information

Please contact Sinclair CSR for your requirement on dual antennas (one in the front bumper and one in the rear)

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 018477		SHA411-SF1S(XX)	Issue: 5	Dated: 27-08-21 Dated: 26-08-21