Product Specification Sheet





SHA211 Series

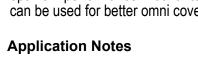
Concealed Bumper Mount Antenna for Undercover Vehicles, 138-174 MHz

- · 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 lawenforcement 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 additional 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.



• 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



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SHA211 Series

Dated: 05-02-10





Antennas Low Band, Aviation, and VHF Antennas SHA211 Series

SHA211-SF1SNM

SHA211-SF2SNM

=lectrical	Specific	cations
	Danas	N 41 I-

138 to 150	150 to 174	
unity (2.1)	unity (2.1)	
2:1	2:1	
vertical	vertical	
50	50	
Omni- directional	Omni- directional	
50	50	
3 to 24	3 to 24	
	unity (2.1) 2:1 vertical 50 Omni- directional 50	unity (2.1) unity (2.1) 2:1 2:1 vertical vertical 50 50 Omni- directional Omni- directional 50 50

Mechanical Specifications

Mechanical opecinications		
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)	
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SHA211-SF1SNM

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