

A Norsat Company in Norsat

Multi-band Multi-port Transport Antenna Multi-band Antenna SM202 Series

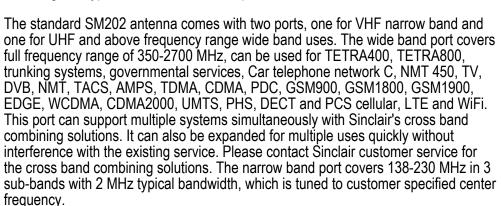
SM202-SF3/SWBSNF(FXXXX)

High performance, 2 MHz B.W. for VHF, 216-230 MHz / 350-2700 MHz

- · Covers full 350-2700 MHz and 216-230 MHz with 2 MHz (typ) bandwidth
- A maximum height of 41/4 inches complies with restriction for locomotives and other vehicles
- · Black weather resistant and fire rated radome provides excellent environmental protection

To perform properly, the antenna needs to be installed on a metal surface with minimum size of 36x48 in. Complies with IEC 68 standards

The SM202 series antenna is intended primarily for wireless coverage in transportation applications. This antenna is designed for ease of installation and minimal visual impact. It features a low-profile multiple band radiating element incorporated in a low profile and unobtrusive black housing that is perfect for mounting to a typical metal vehicle rooftop.



The antenna is fed by two RG303 pigtails with N female connectors. Other connector options are also available.



Always check the label on the pigtail to make the correct connection.



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) 1487 84 28 19	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 EPR 018609 Customer Tech Manual 006229 SM202-SF3/SWBSNF(FXXXX)

Issue: 7

Dated: 09-11-16 Dated: 30-03-15



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Α	Norsat	Company	n	Norsat
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Frequency Range 1 (F1)	MHz	216 to 230	
Bandwidth (F1)	MHz	2	*1
Frequency Range 2 (F2)	MHz	350 to 2700	
Bandwidth (F2)	MHz	2350	*2
Connector		N-Female	*3
Gain (nominal)	dBd (dBi)	unity (2.1)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni- directional	
Average Power Input (max)	W	200	*4
Lightning protection	DC ground		
Mechanical Specifications	in (mm)	11.5 (202)	**
Width	in (mm)	11.5 (292) 20.88 (530)	
Width Depth	in (mm)	20.88 (530)	*5 *6
Width	,	, ,	
Width Depth Height Radome material	in (mm) in (mm)	20.88 (530) 4 (102) UV stabilized ABS	
Width Depth Height Radome material Weight	in (mm) in (mm)	20.88 (530) 4 (102) UV stabilized ABS 7.21 (3.27)	
Width Depth Height Radome material	in (mm) in (mm)	20.88 (530) 4 (102) UV stabilized ABS	
Width Depth Height Radome material Weight Actual shipping weight	in (mm) in (mm) Ibs (kg) Ibs (kg)	20.88 (530) 4 (102) UV stabilized ABS 7.21 (3.27) 11.2 (5.08)	
Width Depth Height Radome material Weight Actual shipping weight Shipping dimensions	in (mm) in (mm) lbs (kg) lbs (kg) in (mm)	20.88 (530) 4 (102) UV stabilized ABS 7.21 (3.27) 11.2 (5.08) 26x19x7 (660x483x178)	
Width Depth Height Radome material Weight Actual shipping weight Shipping dimensions Ground Plane (min)	in (mm) in (mm) lbs (kg) lbs (kg) in (mm)	20.88 (530) 4 (102) UV stabilized ABS 7.21 (3.27) 11.2 (5.08) 26x19x7 (660x483x178) 36x48	
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Width Depth Height Radome material Weight Actual shipping weight Shipping dimensions Ground Plane (min) Radome Colour Environmental Specifications	in (mm) in (mm) lbs (kg) lbs (kg) in (mm)	20.88 (530) 4 (102) UV stabilized ABS 7.21 (3.27) 11.2 (5.08) 26x19x7 (660x483x178) 36x48 Black	

Notes

- *1:1 MHz on low side of band, 2.5 on the high side.
- *2 : VSWR=1.5:1(typ) for 380-2700MHz; VSWR=2:1(typ) for 360-380 MHz; VSWR=2.5:1(typ) for 350-360 MHz.
- *3: Other options available such as N male, BNC male and female, and TNC male and female.
- *4 : Per port
- *5: Maximum footprint
- *6: Maximum footprint

Ordering Information

Please specify VHF center frequency, and connector type at time of order.

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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification	on Sheet	SM202-SF3/SWBSNF(FXXXX)	Issue: 7	Dated: 09-11-16 Dated: 30-03-15