

SM300-SWBSNF(CWH) High performance, low profile, transportation antenna, 350-2700 MHz

- Covers full frequency band from 350 MHz to 2700 MHz through a single port
- Low profile antenna with UV stabilized radome and a maximum height of 3.3 inches
- VSWR=1.5:1 for 380-2700 MHz; VSWR=2:1 for 360-380 MHz; VSWR=2.5:1 for 350-360 MHz
- Features ultimate waterproofing that conforms to IEC standards

Grounding area must be at least 24 inches in diameter.

The SM300 series of antennas 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 small and unobtrusive housing that is perfect for mounting to a typical rooftop. It covers all the bands for TETRA400, TETRA800, trunking systems, governmental services, Car telephone network C, NMT 450, TV, DVB, NMT, TACS, AMPS, TDMA, CDMA, PDC, GSM900, GSM1800, GSM1900, EDGE, WCDMA, CDMA2000, UMTS, PHS, DECT, PCS cellular, wireless LAN systems, LTE 700 MHz and LTE 2600 MHz.



Antenna may not appear exactly as picture.

Application Notes

- Grounding area must be at least 24 inches in diameter. Please follow the antenna installation instructions provided.

www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Electrical Specifications

Frequency Range	MHz	350 to 2700	
Bandwidth	MHz	2350	
Connector		N-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	
Input VSWR (max)		1.5:1	*1
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	
Average Input Power (max)	W	200	*2
Lightning protection		DC ground	

Notes

- *1 : VSWR=1.5:1(typ)for 380-2700 MHz; VSWR=2:1(typ) for 360-380 MHz; VSWR=2.5:1(max) for 350-360 MHz.
- *2 : All channels
- *3 : Including mounting flange

Mechanical Specifications

Width	in (mm)	9.75 (248)	
Depth	in (mm)	9.75 (248)	
Height	in (mm)	3.3 (84)	
Radome Diameter	in (mm)	7.5 (191)	
Overall Diameter	in (mm)	9.75 (248)	*3
Radome material		UV stabilized ABS	
Weight	lbs (kg)	2.75 (1.25)	
Actual shipping weight	lbs (kg)	4.75 (2.16)	
Shipping dimensions	in (mm)	15x11x6 (381x279x152)	
Ground Plane (min)	in (mm)	24x24	
Radome Colour		White	

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	0.13 (0.01)
Horizontal Wind Resistance		4.33 lb at 100 mph

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