

SM300

High performance, low profile, universal transportation antenna, 350-2500 MHz

- Covers full frequency band from 350 MHz to 2500 MHz by a single port
- Maximum height 3.3 inches
- Excellent design for waterproofing and vibration

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 and PCS cellular, wireless LAN systems.

The SM300 comes standard with Grey radome. Black and White are also available.



Application Notes

- Grounding area must be at least 24 inches in diameter. Please install the antenna following the instruction.

Model	Description	Pattern
SM300-SWBSNF(CGR)	Unity gain, low profile, universal transportation antenna, 350-2500 MHz	Omni-directional

www.sinctech.com



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Product Specification Sheet		SM300		Dated: 05-02-10

SM300-SWBSNF(CGR)

Electrical Specifications

Frequency Range, MHz	350 to 2500
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
Lightning protection	DC ground
Bandwidth, MHz	2150

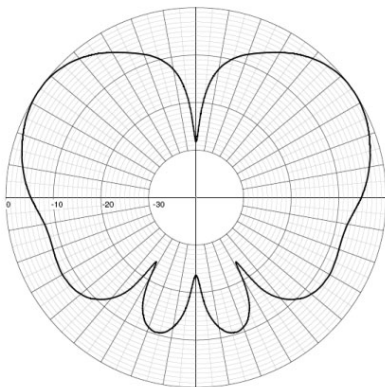
Mechanical Specifications

Connector	N (female)
Length/ Height, in (mm)	3.3 (84)
Width, in (mm)	8 (203)
Radome material	UV protected ABS
Weight, lbs (kg)	2.8 (1.2)
Shipping dimensions, in (mm)	12x12x6 (305x305x152)
Length, in (mm)	8 (203)
Ground Plane, in (mm)	24x24x0.1 (610x610x3)

Environmental Specifications

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



MEASURED RADIATION PATTERN
Vertical
Relative Gain - 10 dB per Division

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