

SM700-SWBSNM Low profile, universal transport antenna, 694-6000MHz

- Covers full frequency band from 694 to 6000MHz
- Maximum 2.6 inches height with white radome
- One 3/4" hole mount for easy installation
- Operates without additional ground plate

Sinclair's SM700 series multifunctional transport antennas are specifically designed to address the need for compact, low profile, broadband antennas that are truly universal. When used with crossband coupler, a single antenna can serve multiple discrete RF systems operating in 694-6000MHz range. Designed to withstand harsh environments and constant vibrations without compromising performance, the rugged SM700 series antennas are ideal for vehicular rooftop mounting. The SM700 offers easy installation with just one 3/4" hole mount and greater protection against water ingress.

Features:

Expandable: One SM700 antenna can be easily expanded to serve multiple radio systems operating in different frequencies at the same time with the help of cross-band coupler expansion kit.

Broad Bandwidth: SM700 covers all bands for 2G, 2.5G, 3G, 3.5G, 4G cellular systems as well as dual band WLAN.

Low Profile Design: SM700 series features a compact low profile design.

Unobtrusive UV

protected radome with fire rating UL94 HB offers minimal visual impact, maximum vibration absorption and ultimate waterproofing.

Ground plate-free: The antenna operates without additional ground plate which is ideal for ceiling mount in an in-building wireless distribution system, or fiberglass vehicle roof top in a mobile radio system.



Connector Options:

Connector	Model Name
N-male	SM700-SWBSNM
N-female	SM700-SWBSNF
BNC-male	SM700-SWBSBM
BNC-female	SM700-SWBSBF
TNC-male	SM700-SWBSTM
TNC-female	SM700-SWBSTF

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet		SM700-SWBSNM	Issue: 1	Dated: 02-07-14

Electrical Specifications

Frequency Range 1 (F1)	MHz	694 to 6000
Gain F1 (typ)	dBd (dBi)	unity (2.1)
Input VSWR 1 (nominal)		2:1
Pattern (F1)		Omni
Bandwidth	MHz	5306
Connector		N-Male *1
Polarization		vertical
Impedance	Ω	50
Average Power Input (max)	W	200
Bandwidth at F1 Frequency Range (typ)	MHz	5302

Notes

*1 : Available with N-Female, BNC-male, BNC-Female, TNC-Male or TNC Female

Mechanical Specifications

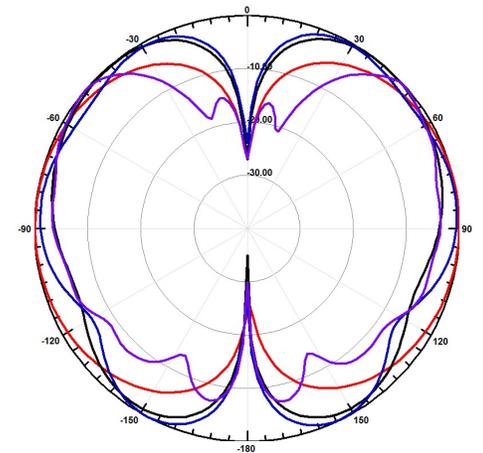
Height	in (mm)	2.6 (66)
Overall Diameter	in (mm)	6.3 (160)
Radome material		UV stabilized ABS
Weight	lbs (kg)	1.35 (0.61)
Actual Shipping weight	lbs (kg)	1.8 (0.82)
Shipping dimensions	in (mm)	11x8x5 (279x203x127)
Radome Colour		White

Ordering Information

GPS option is NOT available for this series.

Environmental Specifications

Horizontal Wind Resistance		1.53lb
Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (1/2" ice)	ft² (m²)	0.06 (0.01)



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