

SM701 SERIES Low profile, universal transport antenna, wideband, 694-6000MHz

- Covers all 2G, 2.5G, 3G, 3.5G, 4G and dual-band WLAN bands
- Low profile, rugged and waterproof design; one 3/4" hole mount for easy installation
- Metallic ground plane independent: excellent performance with or without a ground plane
- Various connector options available

Future proof that is 5G/CBRS/DSRC/C-V2X ready

Sinclair's SM701 series multifunctional transport antennas are specifically designed to address the need for compact, low-profile, broadband antennas used in harsh environment, which makes it truly universal.

Features:

Expandable: one single SM701 antenna can be easily expanded to serve multiple radio systems operating at different frequencies at the same time with the help of crossband coupler expansion kit.

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

Low Profile: features an unobtrusive low profile housing for added overhead clearance.

Rugged UV protected radome with UL94 HB fire rating offers maximum vibration absorption and ultimate waterproofing.

Metallic ground plane independent: this antenna delivers excellent performance on either metallic or non-metallic vehicle rooftops, and it is also ideal for ceiling mount in an in-building or outdoor wireless distribution system.

Various connector options are available which is terminated with a 1' pigtail. When ordering, please refer to below chart for the model number, or contact your Sinclair Sales Representative or Customer Service Representative for more information.



www.sinctech.com

Model Number	RF Connector
SM701-SWBSNF	N-female
SM701-SWBSNM	N-male
SM701-SWBSBF	BNC-female
SM701-SWBSBM	BNC-male
SM701-SWBSTF	TNC-female
SM701-SWBSTM	TNC-male
SM701-SWBSSM	SMA-male

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	694 to 6000	
Bandwidth	MHz	5306	
Connector		Various options avail.	*1
Gain (nominal)	dBi	2-4	*2
Input VSWR (typ)		2:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni- directional	
Average Input Power (max)	W	200	

Notes

- *1 : Please see the previous page for details.
- *2 : 2-4 dBi on non-metal roof or without extra ground plane. 4-7 dBi on 14" metal ground plane.

Mechanical Specifications

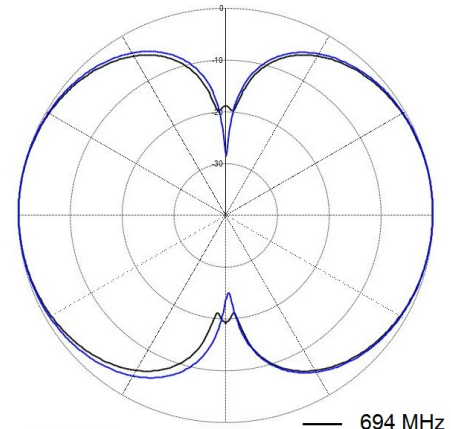
Height	in (mm)	2.6 (66)
Overall Diameter	in (mm)	6.3 (160)
Radome material		UV stabilized ASA, UL94 HB
Weight	lbs (kg)	1.35 (0.61)
Actual shipping weight	lbs (kg)	1.8 (0.82)
Shipping dimensions	in (mm)	10x7x5 (254x178x127)
Radome Colour		White
Ingress protection		IP67

Environmental Specifications

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

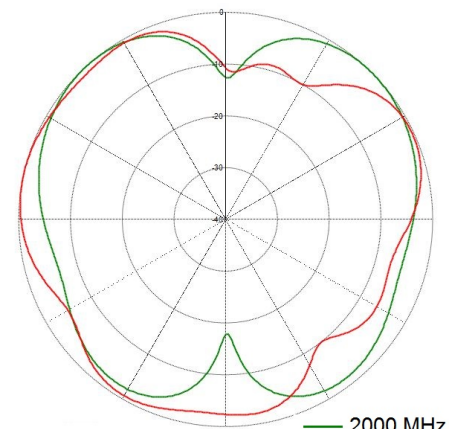
Ordering Information

When ordering, please refer to the model list on the previous page for specific model numbers and connector configurations.



Vertical

— 694 MHz
— 960 MHz



Vertical

— 2000 MHz
— 2700 MHz

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