

Innovative Technology

for a **Connected** World

Surface Mount SMS69273 Antenna North America: LTE, Cellular, PCS, AWS, MDS Europe: GSM 900, DCS, UMTS, UMTS 2600



The SMS69273 antenna, features broadband and omnidirectional gain performance. It is an excellent solution for wireless access points and cellular applications. As a surface mount antenna, it features an integrated anti-theft locking mechanism.

It is ideal for both indoor and outdoor applications due to its durable and weather-proof antenna radome design.

FEATURES & BENEFITS

- Multi-band operation
- Available in various cable and connector configurations
- Wide bandwidth and omnidirectional gain performance
- Durable and weatherized radome design
- Conformance to RoHS

SPECIFICATIONS

APPLICATIONS

- Wireless Terminal, Point-of-Sale, Machine to Machine,
- Automatic Meter Reading and Home Security

TYPICAL ELECTRICAL SPECIFICATIONS			
Frequency	698 MHz ~ 960 MHz, 1710 MHz –2700 MHz		
Gain	0.8 dBi @ 698 MHz~960 MHz; 0.2 dBi @ 1700 MHz~2200 MHz; 0.2dBi @ 2500 MHz~2700 MHz		
Average Efficiency	64% @ 698 MHz~960 MHz, 52% @ 1700 MHz~ 2200 MHz, 45% @ 2500 MHz~ 2700 MHz		
Elevation Plane 3dB Beamwidth	60° @ 698 MHz~960 MHz, 50° @ 1700 MHz~ 2200 MHz, 40° @ 2500 MHz~ 2700 MHz		
VSWR	2.0:1 Maximum		
Polarization	Linear, Omnidirectional Radiation Pattern		
Nominal Impedance	50 Ohms		
Power, max.	3 Watts		
Cable	LMR-195 or Equivalent (Length = 4572 mm +/- 113 mm)		
RF Connector	TNC Male		
Radome	PC, UV stabilized, Black		
Material Substance Compliance	RoHS		
Flame Retardancy	UL-94 V0		
Operating Temperature Range	-30°C to +70°C		
Storage Temperature Range	-40°C to +85°C		
IP Rating	IP-67		
Dimensions	87 mm (height) x 200 mm (diameter)		
Antenna Weight	0.60 kg		

CABLES AND CONNECTORS

MODEL NUMB	ER CABLE TYPE	CONNECTOR	
SMS69273-91TM	IM 36" LMR195	TNC MALE	

global solutions: local support

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TYPICAL RADIATION PATTERNS









1710-2200 MHz Band



50



ANT-DS-SMS69273 1112

240

3 00

270

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