



Dual-Band Surface Mount

Surface Mount Antennas, SM low Profile, 806-1990 MHz

- Mounts easily to roof, trunk or any bulk-head
- Low Profile radome for easy clearance for rooftop installations
- Models available for Trunking & ISM
- Requires 5/8" (16 mm) mounting hole, nut and weather seal gasket provided

The Dual band antenna provides operation on a variety of networks. The low profile surface mount style antennas can be mounted to any metal structure such as a vehicle roof, cargo container, or trailer bulkhead.

Electrical operation is provided by a low profile, yet high efficiency air dielectric radiating element. This maintains effective radiation across the desired frequency range, with omnidirectional coverage.

Unity gain performance is maintained across the operating band for each model.

The antennas are enclosed in a weatherproof UV rated ASA radome, and supplied with all mounting hardware and sealing gasket. The low profile design is only 0.95 " (24 mm) high.

This antenna design uses a 5/8" (16 mm) mounting hole for securing to the vehicle. Access to the underside of the body surface is required to aid the installation.

The antennas come with 15 feet (4.5 meters) of cable and choice of RF connector (SMA is standard).

Other cable lengths and connectors are available, please consult sales representative for details.

These models are also available with a built-in active GPS antenna & 26 dB low noise amplifier. A separate GPS receiver would be required for operation.

Note: Groundplane required for optimal performance.

Model #	Band(s)
SM-900/1900-1C-WHT-180	US GSM/CDMA
SM-837/1900-1C-WHT-180	Trunking/PCS
SM-925/1800-1C-WHT-180	EU GSM & DCS
SM-925/1900-1C-WHT-180	ISM & PCS
<u>Color options available for above models</u> WHT-White, BLK-Black or GRY-Grey	
Please specify desired connectors at time of order.	

Specifications			
Frequency:	900/1900	824-894 & 1850-1990 MHz	
	837/1900	806-870 & 1850-1990 MHz	
Gain:	925/1800	870-960 & 1710-1880 MHz	
	925/1900	870-960 & 1850-1990 MHz	
VSWR:		Unity or better	
Operating Temp:		2:1 max over range	
Impedance:		-40° to +85° C	
Maximum Power:		50 ohms	
Cable:		10 Watts	
		RG-58, 15 ft (4.5 meters)	
		Low loss RF-195 optional	
Case Material:		White or Black ASA; Grey ABS	
Case Size:		4.5"D x .95"H	
		(114 mm x 24 mm)	
Stud Length:		5/8" (16 mm) long	
Mounting Surface Thickness:		Mount up to 3/8"	
		(5.3 mm) surface	
Connector:		SMA Plug (Male) Standard	
		Specify at time of order	
Shock & Vibration:		EN 61373, IEEE 1478, MIL-810G	
		TIA-329.2-C	
Water Ingress:		IPx5 (When properly mounted)	