



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 also available for Trunking & ISM 915
- 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 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.

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:		Stud Length:	5/8" (16 mm) long
900/1900	824-894 & 1850-1990 MHz	Mounting Surface Thickness:	Mount up to 3/8" (5.3 mm) surface
837/1900	806-870 & 1850-1990 MHz	Connector:	SMA Plug (Male) Standard Specify at time of order
925/1800	870-960 & 1710-1880 MHz	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
925/1900	870-960 & 1850-1990 MHz	Water Ingress:	IPx5 (When properly mounted)
Gain:	Unity or better		
VSWR:	2:1 max over range		
Operating Temp:	-40° to +85° C		
Impedance:	50 ohms		
Maximum Power:	10 Watts		
Cable:	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)		