

## Surface Mount Antennas, Rugged, 806-1000 MHz

- Mounts easily to roof, trunk or bulkhead
- Unity gain, 3 dBi & 5 dBi Omni configuration
- Rugged designs, stud mounts to 3/4" (19 mm) or 5/8" (16 mm) hole
- Gasket seal provides watertight use



The surface mount antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

The low profile SM Series is a unity gain device and requires a ground plane for best performance. The radome is durable ASA, available in white, grey or black. Outfitted with 15 feet of RG-58 (4.5 meters) and a male SMA connector, it requires a 5/8" hole (16 mm) for mounting. This series can also be outfitted with a GPS module for mobile tracking.

The RM3 Series antenna are 3 dBi gain broadband antennas. A ground plane is recommended for best performance. Broadband, these antennas will operate over the entire 800 - 1000 MHz band. A Direct N option is also available.

Antenna performance on the SM3 series is 5 dBi, and requires no ground plane. The antenna can be mounted on fiberglass or plastic. It requires a 3/4" hole (19 mm) for mounting. It has a weatherproof gasket for sealing. It is supplied with 15 feet (4.5 meters) of RG-58 cable, and SMA connector as standard.

Model #	Frequency	Gain
SM-900-1C-WHT-180	824-894 MHz	Unity
SM-925-1C-WHT-180	870-960 MHz	Unity
SM-837-1C-WHT-180	806-870 MHz	Unity
RM3-900-1C-BLK-12	800-1000 MHz	3 dBi
RM3-925-1C-BLK-12	870-960 MHz	3 dBi
RM3-900DN-BLK	800-1000 MHz	3 dBi
RM3-925DN-BLK	870-960 MHz	3 dBi
SM3-900-1C-BLK-180	824-894 MHz	5 dBi
SM3-925-1C-BLK-180	870-960 MHz	5 dBi
SM3-837-1C-BLK-180	806-870 MHz	5 dBi

Color options available for above models  
WHT-White, BLK-Black or Grey

Other mounts available.

### Specifications

Frequency:	See above	Hardware Supplied:	Locknut and gasket	
Gain:	Unity, 3 dBi or 5 dBi, see above	Case Material:	RM3,SM: ASA; SM3: Polycarbonate	
VSWR:	2:1 max over range	Mounting Depth:	SM3 Series Mount to 3/16" metal (4.7 mm)	
Operating Temp:	-40° to +85° C	RM3 Series Mount to 1/2" metal (12.7 mm)	SM Series Mount to 7/32" metal (5.3 mm)	
Nominal Impedance:	50 ohms	Cable:	SM/SM3 Series 15 ft RG-58 (4.5 meters)	
Maximum Power:	10 watts	RM3-Series 1 ft RG-58 (305 mm)	Connector:	SMA Plug (Male)
Antenna Size/Mount:		DN Option:	Direct N Jack (Female)	
SM3 Series	2.65"D x 15"H, 3/4" hole required (67 mm x 381 mm, 19 mm hole)	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C	
RM3 Series	1.75"D x 3"H, 5/8" hole required (45 mm x 76 mm, 16 mm hole)	Water Ingress:	RM3: IP67, SM:IPx5	
SM Low Profile	4.5"D x .95"H, 5/8" hole required (114 mm x 24 mm, 16 mm hole)			