

Surface Mount Antennas 1400 MHz



- Available in many Military Colors
- Small foot print of only 3" high and 1.75" diameter
- Rugged, Made-in-the-USA construction
- Meets Dust and Water Ingress testing of IP67; will stand up to harsh environments

These 1400 MHz antennas complement the RM Series product line with new mounting options and new military color options. These body mount style antennas can be mounted to any vehicle, container or bulkhead.

The rugged style is excellent for military applications which require products that meet high vibration and water ingress standards.

The designs use a 5/8" (16 mm) feed thru for securing to the vehicle. The antennas are outfitted with 1 foot (30 cm) of RF-195 cable & SMA Plug (Male) connector. A separate model, the RMM-1400-DN Series terminated with a direct N Jack (Female). The "DN" style antenna is mounted directly to the device.

Standard size jumper cables for completing the installation can be ordered separately. Mobile Mark's jumper cables are also Made-in-the-USA, using the same high quality cable that is used in our antennas. Alternatively, the antenna can be supplied with a longer integral cable.

The RMM series has a small foot print of 3" (76 mm) high x 1.75" (45 mm) diameter. This makes mounting the antenna simple and easy on any vehicle, especially where space is an issue. Even though it has

a small foot print, the antenna has been designed to maximize its performance.

The RMM Series antenna radome consists of ASA UV resistant plastic with a heavy duty metal base and threaded stud.

The RMM series have been tested to and have passed a series of shock and vibration tests, as well as water ingress testing. These tests include IP67 water ingress testing and MIL-810G shock and vibration.

Model #	Description
RMM-1400-3C-BLK-12	Surface mount antenna
RMM-1400DN-BLK	Direct N Jack (Female)
<u>Color options available for above models</u>	
WHT-White	
BLK-Black	
GRN-Green	
DTS-Desert Sand	
Other cable lengths and jumper cables available	

Specifications			
Frequency:	1300-1500 MHz	RMM Mounting	5/8" (16 mm) dia. feed thru
Gain:	5 dBi peak		3/4" (19mm) long thread for
VSWR:	2:1 max over range		up to 1/2" (2.7mm) thick metal
Nominal Impedance:	50 ohms	Pigtail Cable :	RF-195, 1 ft (30 cm)
Maximum Power:	25 watts	Pigtail connector:	SMA Plug (Male), others available
Operating Temp:	-40° to +85° C	RMM-DN Mounting	Direct N Jack (Female)
RMM Size:	1.75" diameter x 3" high (45mm x 76 mm)	Shock & Vibration:	EN 61373, IEEE 1478, MIL- 810G TIA-329.2-C
Case Material:	ASA plastic, UV Resistant	Dust/Water Ingress:	IP67
Hardware:	Nut, lockwasher and gasket		