



Surface Mount Multiband GSM/CDMA, WiMAX & Diversity & GPS

- Model SMW-302: 3 cable feed multiband
- Covers GPS, GSM/CDMA systems, WiMAX 2.5 or Diversity GSM
- 3 antennas in 1 radome; saves time and money by reducing the number of installations

The SMW-302 Series Antenna has three separate RF cable feeds and will cover GSM/CDMA systems, WiMAX 2.5 or Diversity GSM.

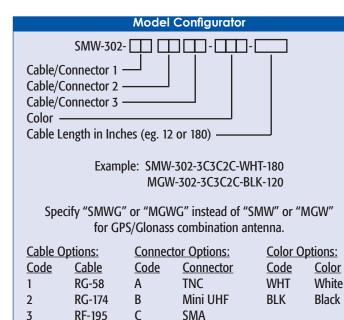
The first cellular element is the broadband element found in other SMW antennas and covers 800-1250 & 1650-2700 MHz. The second element covers 1.7-2.7 GHz and 1575 MHZ for GPS on the third element.

The Cellular and WiMAX cables are 15 feet of low-loss RF-195 (4.5 meters). GPS cable is 15 feet of RF-174. All connectors are male unless otherwise requested.

This surface mount multiband antenna mounts easily to a roof, trunk or bulkhead. The stud mount design uses a 3/4" feed thru (19mm) for securing to the vehicle.

For best performance, the antenna should be mounted on a metal surface or ground plane. A Mag-mount version is available with the same performance specs.

The antennas are enclosed in a 4.2"D x 3.2"H weatherproof ASA radome (107 mm x 81 mm) and supplied with all mounting hardware and a sealing gasket. The SMW Series is extremely weather resistant and rated IP67 for Dust and Water Ingress.



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SMB

MCX

(Other Configurations available.)

Specifications			
Frequency & Gain: Cable 1	800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi 1700-2700 MHz, 5 dBi	Case Material: Cable: Cable 1 & 2	White or Black UV resistant ASA Separate RF-195,15 ft (4.5 meters)
Cable 3 (GPS)	1575.42 +/- 2 MHz, LNA 26dB 5 dBi nominal RHCP, Antenna	Cable 3 (GPS) Connectors:	RG-174, 15 ft (4.5 meters) SMA Plug (Male)
Data Modem: VSWR	2:1 max over range	Mounting:	Threaded metal stud 3/4" dia. x 1/2" long
Nominal Inpedance Power	50 ohms 10 Watts		(19 mm x 13 mm) for
GPS: Noise Figure	2.0 dB max, 1.7 dB typical		1/4" (6 mm) thick metal; supplied with gasket and nut
Amplifier Bias Amplifier Current	2.0 dB fildx, 1.7 dB typical 2.7 to 5 VDC 20 mA, 10 mA typical	Operating Temp: Shock & Vibration:	-40 to +85° C IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
GPS & Glonass Option:	1575 MHz & 1612 MHz		
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (1.3 cm) for mag base	Dust/Water Ingress:	IP67