



Surface Mount Multiband GSM/ CDMA WiFi, Public Safety & GPS

- Model SMW-402: 4 cable feed multiband
- Covers GPS, Cellular, WiFi & Public Safety
 4.9
- 4 antennas in 1 radome; saves time and money by reducing the number of installations

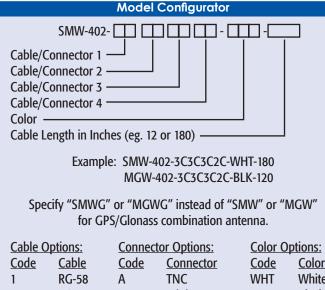
The SMW-402 Series Antenna covers a wide range of applications including all Cellular bands worldwide, WiFi at 2.4 & 5 GHz, AWS at 1.7 & 2.1 GHz, Public Safety at 4.9 GHz, DSRC at 5.9 GHz or GPS. The four cables accommodate four different uses in one installation.

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. The antennas have also passed industrial and military shock and vibration testing.



Cable Options:		Connector Options:		Color O	Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	Color	
1	RG-58	Α	TNC	WHT	White	
2	RG-174	В	Mini UHF	BLK	Black	
3	RF-195	C	SMA			
		D	SMB			
				(Other Configura	ations available.)	

Specifications			
Frequency & Gain:		Cable:	
Cable 1	800-1250 MHz, 3 dBi	Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
	1650-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 2	2.4 GHz, 5 dBi	Connector:	SMA Plug (Male)
Cable 3	2.4 & 4.9-6.0 GHz, 5 dBi	Case Material:	White or Black UV resistant ASA
Cable 4 (GPS)	1575.42 +/- 2 MHz, LNA: 26dB	MGW Mounting:	Magnet Mount
	5 dBi nominal RHCP	SMW Mounting:	Threaded metal stud
VSWR:	2:1 max over range	ü	3/4" dia. x 1/2" long
Nominal Impedance:	50 ohms		(19 mm x 13mm) for
Maximum Power:	20 Watts (max)		1/4" (6mm) thick metal;
GPS			supplied with gasket and nut
Noise Figure:	2.0 dB max, 1.7 dB typical		Other length studs available
Amplifier Bias:	2.7 to 5 VDC	Operating Temp:	-40° to +85° C
Current:	20 mA max, 10 mA typical	Shock &Vibration:	IEEE1478, EN 61373, MIL-810G
GPS & Glonass Option:	1575 MHz & 1612 MHz	Shock a ribration	TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm)	Dust/Water Ingress:	IP67
	add 1/2" (1.3 cm) for mag base	Dasy Plater Ingress.	11 07