



SMW-305 multiband, 3-cable Cellular/LTE 700 MHz, WiFi & GPS

- 3 antennas in 1 antenna housing
- Covers GPS, Cellular/LTE/AWS, WiFi Public Safety 4.9 & DSRC 5.9 GHz
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)

The SMW-305 Series Antennas features 3-elements in one antenna radome. The unique feature of this model is that the cellular element (Cable 1) is extremely widebanded and can cover: LTE at 700 MHz as well as the established 850/1900 GSM/CDMA bands, 1.7/2.1 AWS bands and WiMAX 2.5 all on a single board.

In addition to covering all of the cellular bands on the first antenna element, the antenna also covers 2.4/5 dual-band WiFi on the second antenna element. Alternatively, the second element can be used for other specialized applications such as: Public Safety coverage at 4.9 GHz, or DSRC at 5.9 GHz.

The antenna is enclosed in a 4.2"D x 3.2"H (10.7 cm x 8.1 cm) weatherproof radome, and supplied with all mounting hardware and a sealing gasket. The radome is available in either black or white.

The antenna is available in either surface mount (SMW Series) or mag mount (MGW Series).

Model Configurator					
SMW-305- - -					
Cable/Connector 1					
Cable/Connector 2					
Cable/Connector 3					
Color					
Cable Length in Inches (eg. 12 or 180)					
Example: SMW-305-3C3C2C-WHT-180 (surface mount) MGW-305-3C3A2C-BLK-180 (mag mount)					
Specify "SMWG" or "MGWG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.					
<u>Cable Options:</u>		<u>Connector Options:</u>		<u>Color Options:</u>	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>
1	RG-58	A	TNC	WHT	White
2	RG-174	B	Mini UHF	BLK	Black
3	LL-195	C	SMA		
(Other Configurations available.)					

Specifications					
Frequency & Gain*:					
Cable 1		694-894 MHz, 2 dBi 1700-2700 MHz, 5 dBi			
Cable 2		2.4-2.5 & 4.9-6.0 GHz, 5 dBi			
Cable 3 (GPS)		1575.42 +/- 2 MHz, LNA 26dB 5 dBi nominal RHCP, Antenna 1575 MHz & 1602 MHz			
GPS & Glonass Option:					
Data Modem:					
VSWR*		2:1 max over range			
Nominal Impedance		50 Ohm			
Power		10 Watts			
GPS:					
Noise Figure		2.0 dB max, 1.7 dB typical			
Amplifier Bias		2.7 to 5 VDC			
Amplifier Current		20 mA, 10 mA typical			
Case:		4.2"D x 3.2"H (10.7 cm x 8.1 cm) add 1/2" (1.3 cm) for mag base			
Case Material:		White or Black UV resistant ASA			
Cable:					
Cable 1 & 2		Separate Low Loss-195,15 ft (4.5 m)			
Cable 3 (GPS)		RG-174, 15 ft (4.5 m)			
Connectors:		SMA Plug (Male)			
Surface Mounting:		Threaded metal stud 3/4" dia. x 1/2" long (1.9 cm x 1.3 cm) for 1/4" (6 mm) thick metal; supplied with gasket and nut			
MGW Mounting:		Magnet			
Operating Temp:		-40° to +80° C			
Shock & Vibration:		IEEE1478, EN 61373, MIL-810G TIA 329.2-C			
Dust/Water Ingress:		IP67			