



## EM-MG11006-SP

## EM-MG11006-SP-195

### NMO Combination Mount GPS Antenna

- Low-Profile aesthetics for reduced visibility
- UV Stabilized, High Impact Xenoy™ housing
- Rugged aluminum die cast base for high strength mechanical mounting and reliability
- Silicone Rubber gasket and dual O-ring seals for waterproof, high pressure car wash (IP66) applications

### NMO Mount Electrical Specifications

Frequency Band	30 – 1000 MHz min
VSWR <sup>1</sup>	1.5:1 typical
Impedance	50Ω
Cable Type / Model	LL195 / (EM-MG11006-SP-195)
Insertion Loss	2 dB, max
Cable Type / Model	RG-58/U / (EM-MG11006-SP)
Insertion Loss	2.5 dB, max
Power Rating <sup>1</sup>	150 W, max

### GPS (L1) LNA and Filter Specifications

Frequency Bandwidth (L1)	1575.42 ± 3 MHz
Input / Output VSWR	2.0:1 max
Impedance	50Ω
Gain	30 dB typical @5Vdc
Noise Figure (dB)	2.0 max
Operational Voltage (Vdc)	3.0 - 5.5 V
Current Drain (Idc)	6.0 - 20.0 mA
Filter Type & Attenuation wrt L1	SAW
(L1 +50 MHz)	35 dB min
(L1 ±100 MHz)	45 dB min
Power Handling, Input	10 W
<b>Passive Element</b>	
Center Frequency Band	1575.42 MHz
Antenna VSWR	1.5:1 max
Impedance	50Ω
Polarization	RHCP

### Mechanical Specifications

Height	0.88 in. ( 22.4 mm)	Color	Black
Width	2.2 in. (55.9 mm)	GPS Radiator	Ceramic, Silver
Length	4.5 in. (114.3 mm)	Operating Temperature	-40° to 85° C
Mounting Application	Bulkhead, ¼ in. Thru-Hole	Corrosion	Salt Fog
Cable Length NMO <sup>2</sup>	17 ft. (5.1 m)	Humidity	95%
Cable Type / Length GPS	RG-174/U / 17 ft. (5.1 m)	Vibration	AAR & MIL-STD-810E
Connector NMO	Sold Separately		
Connector GPS <sup>3</sup>	SMA Plug		

1. Antenna / Frequency dependent.

2. Other cable types available upon request. MOQ Required.

3. Other connector types available upon request. MOQ required.