



EM-MG11022

Combination NMO GPS/GLNSS Antenna

3/4" Hole Mount

- Low-Profile aesthetics, minimal 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 high pressure water resistant installation (IP66)
- Premium double shielded Low Loss 195 cable or Standard RG-58/U

NMO Mount Electrical Specifications

Model	EM-MG11022-SP-195
Cable Type	LL195
Insertion Loss	2 dB, max
Connector ²	Sold Separately
Model	EM-MG11022-SP
Cable Type	RG-58/U
Insertion Loss	2.5 dB, max
Connector ²	Sold Separately
Frequency	30 – 1000 MHz min
VSWR ¹	1.5:1 typical
Impedance	50Ω
Power Rating ¹	150 W, max

1. Frequency Dependent.
2. Alternate OEM available upon request.

GPS/GLNSS LNA and Filter Specifications

Frequency Bandwidth	1575 – 1615 MHz
Input / Output VSWR	2.0:1 max
Impedance	50Ω
Gain	28 dB typical
Noise Figure (dB)	1.5 typical, 2.0 max
Operational Voltage (Vdc)	2.5 - 5.5 V
Current Drain (Idc)	5 - 20 mA max
Filter Type	SAW
Attenuation (DC-1522.5 MHz)	28 dB min
Attenuation (1662.5-3000 MHz)	30 dB min
Power Handling, Input	10 W
Passive Antenna Element	
Center Frequency	1592.5 MHz
Bandwidth	35 MHz
Antenna VSWR	2:1 max
Impedance	50Ω
Gain / Polarization	4 dBic / RHCP

Mechanical Specifications

Height	0.88 in. (22.4 mm)	Color	Black
Width	2.2 in. (55.9 mm)	GPS/GLNSS Radiator	Ceramic, Silver
Length	4.5 in. (114.3 mm)	Operating Temperature	-40° to 85° C
Mounting Application	Bulkhead, 3/4 in. Thru-Hole	Corrosion	Salt Fog
Corrosion	Salt Fog/Automotive Fluids	Cable NMO	See Models/Cable Type
Humidity	95%	Cable GPS	RG-174/U; 17 ft. (5.1 m)
Vibration	AAR & MIL-STD 810E	Connector (GPS/GLNSS) ³	SMA Plug

3. Alternate OEM available upon request.

Specifications subject to change without notification.