Product Data Sheet



EM-AG13007-NJ
GPS/GLNSS (L1)
Fixed Point or Mobile Timing Reference/Tracking Antenna

- Black Polycarbonate Radome, UV Resistant
- Mounts through 5/8 in. Double-D hole
- Bulkhead Panel Thickness up to 0.25 in. (6.4mm)
- Precision Timing for Fixed Point Network and Asset Tracking Applications
- IPX7 Bulkhead Environmental Seal

Electrical Specifications

Frequency Band	1575 -1610 MHz, GPS/GLONASS (L1)
VSWR, Output	<2.5:1
Gain, Antenna	3.5 dBic
Polarization	RHCP
Impedance	50Ω
Gain, LNA	27 ±3dB @ 5.0 VDC
Noise Figure	1.5 dB typ.
Out of Band Rejection	>28 dB
Current Drain	13±2mA @5VDC
Operating Voltage	2.7-5.5 VDC
DC Injection	Coaxial Feed Cable Center Conductor
ESD Protection	15kV

Mechanical Specifications

Radome Color, Material	Black, Polycarbonate
Dimensions (H x OD)	1.18 x 2.35 in. (30 x 60mm)
Mounting	5/8 in. Bulkhead, Double-D
Weight	.183 lb. (83g)
Connector Type / Material / Finish	N Jack / Brass / Nickel
Operating/Storage Temperature Range	-30° to 70° C / -40° to 85° C
Corrosion	Salt Fog
Humidity	95%
Ingress	IPX7

Specifications Subject to Change without Notification.

ELECTRO-MAGWAVE, INC.
2241 Pinnacle Parkway, Suite A, Twinsburg, OH 44087 t 216-453-1160 f 216-447-8828 www.emwaveinc.com