



## EM-BGT13005-TJ GPS/GLNSS (L1) Timing Antenna

- High Selectivity Dual Filter RF Architecture Eliminates High Power RFI Operating within Multi-Located Base Station Environment
- Impact Resistant ASA Radome
- Rugged Die-Cast Aluminum Base
- Integrated Bulkhead, TNC Jack
- IP67 Rated\*
- 3/4" NPT and 1"-14 Marine Mount Compatible
- UV Resistant/Cool Gray for Reduced Visibility
- Mounting Hardware Not Required

### Electrical Specifications

|                       |  |
|-----------------------|--|
| Frequency Band        | 1574.4- 1610 MHz, GPS/GLONASS (L1)       |
| VSWR, Output          | <2:1                                     |
| Impedance             | 50Ω                                      |
| Gain, System          | 32 ±3dB @ 5.0 VDC                        |
| Noise Figure          | 3.1 dB typ.; 3.5 dB max                  |
| Out of Band Rejection | Up to 70 dB                              |
| Current Drain         | 7-13mA, typ.; 15mA max @5VDC, High Temp. |
| Operating Voltage     | 2.7-5.5 VDC                              |
| DC Injection          | Coaxial Feed Cable Center Conductor      |
| ESD Protection        | 15kV                                     |

### Mechanical Specifications

|                              |   |
|------------------------------|---|
| Color / Finish               | Cool Gray                                     |
| Dimensions (H x OD)          | 4.88 x 3.25 in. (124 x 82.5mm)                |
| Mounting Application / Type  | Pole/Mast Mount, Direct Pipe End Attachment   |
| Mounting Mast/Pipe           | 3/4 in. NPT Pipe                              |
| Direct Pipe/Mount Attachment | 1"-14 Marine Mount                            |
| Weight                       | 0.6 lb. ( .27 kg)                             |
| Connector Type <sup>†</sup>  | TNC Jack                                      |
| Wind Velocity, Rated         | 150 mph (241 kph)                             |
| Operating Temperature Range  | -40° to 85° C                                 |
| Corrosion                    | Salt Fog                                      |
| Humidity                     | 95%   |
| Ingress*                     | IP67 (attached to water sealed pipe or mount) |



TNC Jack

<sup>†</sup>Connector Options Available Upon Request. Specifications Subject to Change without Notification