Product Data Sheet



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*
- ¾" NPT and 1"-14 Marine Mount Compatible
- UV Resistant/Cool Gray for Reduced Visibility
- Mounting Hardware Not Required

Electrical Specifications

Frequency Band	1575.42 - 1610 MHz, GPS/GLONASS (L1)
VSWR, Output	<2:1
Impedance	50Ω
Gain, System	30 ±3dB @1575.42 MHz / 29 ±3dB @1610 MHz
Noise Figure	<3.5 dB
Out of Band Rejection	60 dB
Current Drain	8 ±3mA
Operating Voltage	3 -5.5 VDC
DC Injection	Coaxial Feed Cable Center Conductor
ESD Protection	15kV

Mechanical Specifications



TNC Jack

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 Direct Pipe/Mount Attachment	¾ in. NPT Pipe 1"-14 Marine Mount
Weight	0.6 lb. (.27 kg)
Connector Type†	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)

†Connector Options Available Upon Request. Specifications Subject to Change without Notification

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