



Antennas Technical Data Sheet

Features

- 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

Applications

- Network time Synchronization
- Precision frequency reference

Description

The PE51TM100 GPS/GLNSS Timing Antenna is a professional grade product used for advanced time and frequency system applications. Housed in an IP67 rated high impact ASA and die cast aluminum housing it's suitable for all outdoor and marine environments.

Configuration

Design Application Band Band Type DC Injection Connector Type Housing Material and Plating GPS/GLNSS L1 Single Coaxial feed cable center conductor TNC Jack Gray

Integrated Bulkhead, TNC Jack

• 3/4" NPT and 1"-14 Marine Mount Compatible

UV Resistant/Cool Gray for Reduced Visibility

IP67 Rated

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range (GPS/GLNSS (L1))	1.574		1.61	GHz
Output VSWR			2:1	
Impedance		50		Ohms
Gain		32		dBi
Gain Variation		±3		dBi
Noise Figure		3.1	3.5	dB
Out Of Band Rejection			70	dB
Operating DC Voltage	2.7		5.5	Volts
Current		7	15	mA

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 32 dBi Timing GPS/GLNSS Antenna 1,574-1,610 MHz TNC Connector PE51TM1000

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

PE51TM1000







PE51TM1000

PE51TM1000	
ning Antenna	
S, GPS/GLNSS	
another quality antenna product from Pasternack	
the greatest antenna VALUE for your wireless application	
d verify product description and output connector matc	tches the
Fig.1	
luct near power lines is dangerous. the enclosed installation directions.	
ally upright, standard ¾" NPT pipe or 1"-14 Marine Mou or mount. le center conductor of the coaxial feed cable (not suppl SS receiver provides 2.7-5.5 VDC to the antenna. og connector through the mounting pipe and out the op minimum. <u>Note:</u> Coaxial feed cable should not exceed connector on the Timing Antenna. Verify a secure conne necupled and free to spin, until the antenna is complete the end of the pipe by threading the antenna onto the ith a firm hand grip. Intenna includes an integrated wrench flat to apply add wrench. <u>Note:</u> Apply torque carefully to avoid damage t tial damage, <u>DO NOT APPLY TORQUE TO THE RADOME</u> SPS/GLNSS receiver. Verify performance. Tip: For best performance, install Timing Antenna verticall upright, with a clear and unobstructed wide angular viet of the sky.	olied). Verify open end. d 15 dB total nection. tely e pipe end. ditional to the I <u>E</u> using
Apply torque using 1-1/4" open- end wrench at base only	
	t number in "SEARCH" on website) to c

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com



Antennas Technical Data Sheet



PE51TM1000



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 32 dBi Timing GPS/GLNSS Antenna 1,574-1,610 MHz TNC Connector PE51TM1000

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com





Antennas Technical Data Sheet

PE51TM1000



32 dBi Timing GPS/GLNSS Antenna 1,574-1,610 MHz TNC Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 32 dBi Timing GPS/GLNSS Antenna 1,574-1,610 MHz TNC Connector PE51TM1000

URL: https://www.pasternack.com/single-antenna-1.574-1.61-ghz-32-dbi-gain-tnc-pe51tm1000-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com

© 2019 Pasternack Enterprises All Rights Reserved

PE51TM1000 CAD Drawing

32 dBi Timing GPS/GLNSS Antenna 1,574-1,610 MHz TNC Connector

