

0 dBi Tunable Telescopic Portable Antenna

118-174 MHz BNC Connector



Antennas Technical Data Sheet

PE51TW1000

Features

- Telescopic radiator
- Flexible support mast for impact resistance
- UV Stabilized
- Field Tunable

Applications

- Portable hand-held instrumentation
- Bench test equipment
- Fixed wireless monitoring equipment

Description

This telescopic, field tunable VHF antenna is ideally suited for portable and fixed applications.

Configuration

Design	Portable
Application Band	VHF
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Ground Plane	Dependent
Connector Type	BNC Plug
Housing Material and Plating	Polyolefin

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range (field tunable range)	118		174	MHz
Input VSWR		2:1		
Impedance		50		Ohms
Gain		0		dBi
Input Power			10	Watts

Mechanical Specifications

Housing Material	Polyolefin
Radiator Material	Brass
Radiator Finish	Black Chrome
Size	
Overall Length	8.43 in [214.12 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0 dBi Tunable Telescopic Portable Antenna 118-174 MHz BNC Connector PE51TW1000](#)



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Connectors

Description	Connector 1	Connector 2	Connector 3
Body Material and Plating	Brass, Nickel		

Environmental Specifications

Temperature

Operating Range

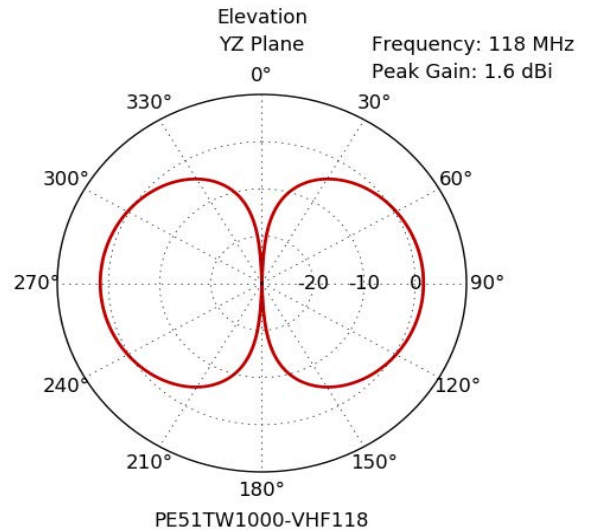
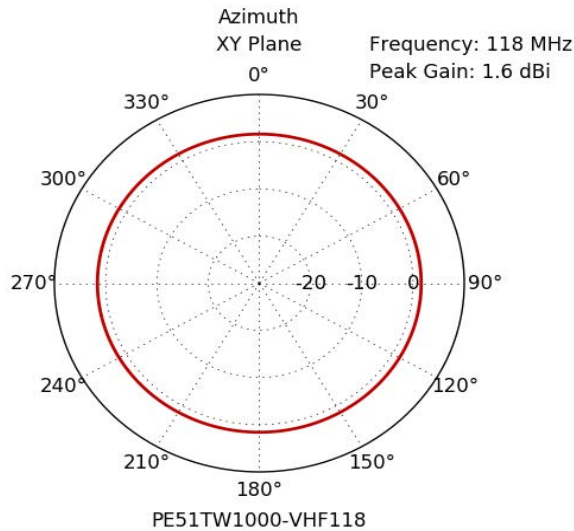
-20 to +65 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern



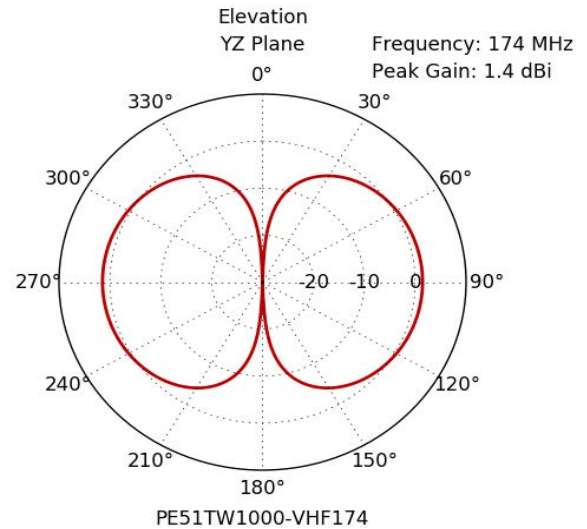
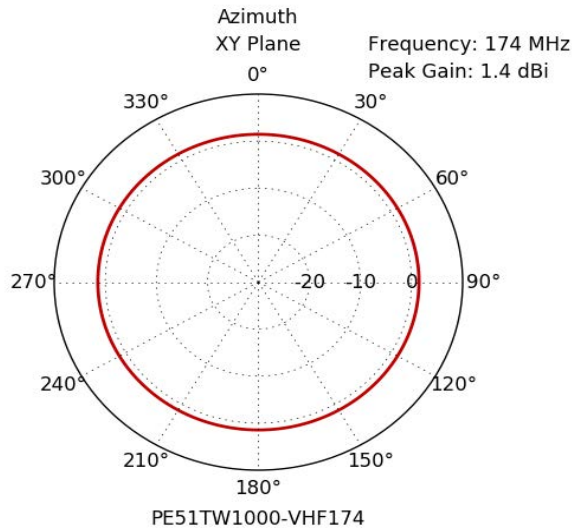
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0 dBi Tunable Telescopic Portable Antenna 118-174 MHz BNC Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of 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: [0 dBi Tunable Telescopic Portable Antenna 118-174 MHz BNC Connector PE51TW1000](#)

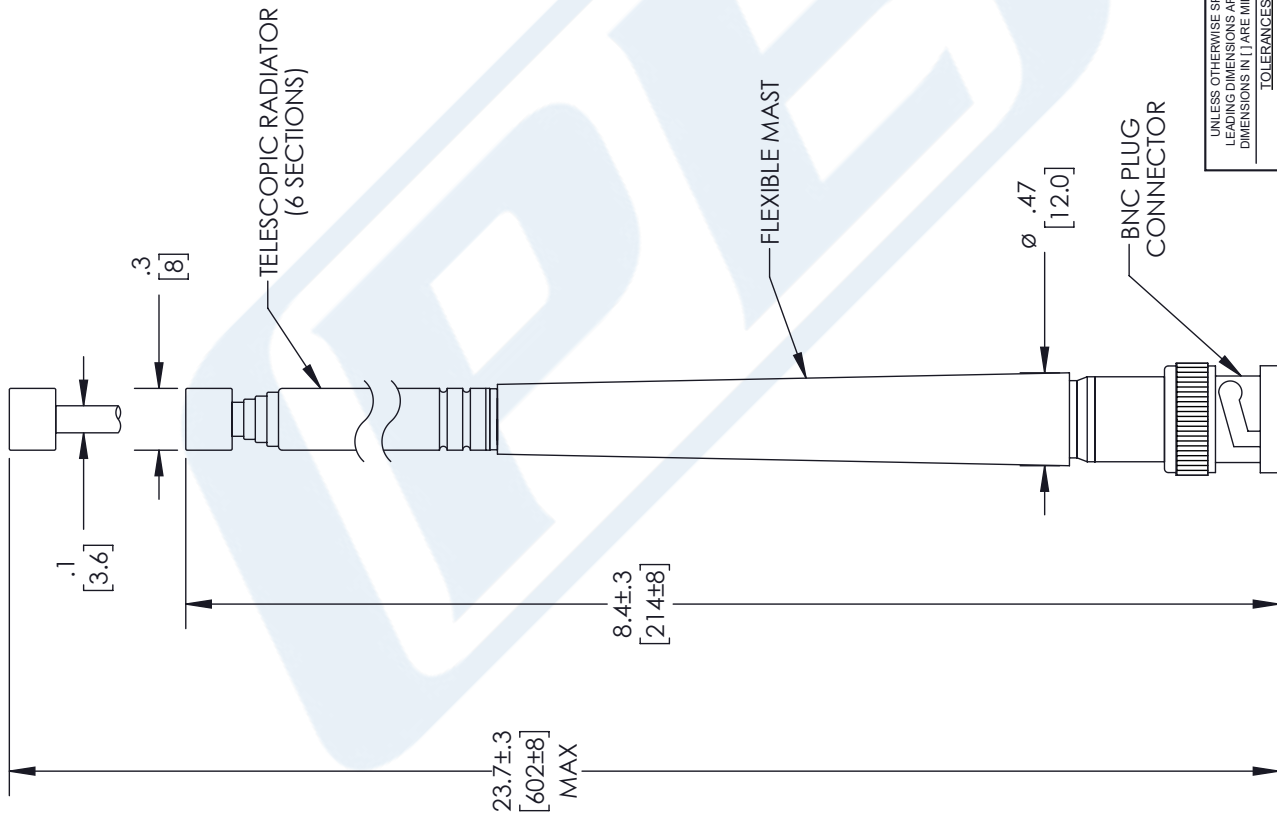
URL: <https://www.pasternack.com/single-antenna-118-174-mhz-0-dbi-gain-bnc-pe51tw1000-p.aspx>

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PE51TW1000 CAD Drawing

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REVISIONS	
A	INITIAL RELEASE
	08/14/19
	MMILLER



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X±.2	[5.08]	FRACTIONS	
XX±.01	[.25]		+1/32
XXX±.005	[.13]		ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

(PE) PASTERNAK
an INFINITE brand

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SHEET 1 OF 1
SCALE N/A

SIZE A
CAGE NUMBER 53919
DRAWN BY BPUCHASKI
PART NUMBER PE51TW1000
REV A

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