



Adjustable Phase Trimmer, DC to 10 GHz, with an Adjustable Phase of 15 Deg. Per GHz and N Connectors, Stainless Steel Body

Phase Shifters and Trimmers Technical Data Sheet

PE8208

Features

- Phase Adjustment: 15 Deg/GHz
- Frequency Range from DC to 10 GHz
- N Connectorized Design
- Insertion Loss: 0.6 dB Max
- Max VSWR 1.2:1
- Max Power Rating: 300 Watts (CW)

Applications

- Test & Measurements
- Radar Development
- Military Communications Systems
- Phase Array Antenna System
- Satellite Communications

Description

Pasternack's PE8208 is a phase trimmer that has phase adjustment range of 15 degrees per GHz with a frequency range from DC to 10 GHz. With N male to N female connectors, this RF phase trimmer design is tried and true technology that offers exceptional RF performance characteristics that include a maximum VSWR of 1.2:1. Phase trimmers are part of Pasternack's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.

Electrical Specifications (Values at +25° C, Sea Level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Phase Adjustment		15		Deg/GHz
Input VSWR			1.2:1	
Insertion Loss			0.6	dB
Input Power, CW			300	dBm

Mechanical Specifications

Size

Length	3.252 in [82.6 mm]
Width/Diameter	0.748 in [19 mm]
Height	0.748 in [19 mm]
Weight	0.031 lbs [14.06 g]
Body Material and Plating	Passivated Stainless Steel

Configuration

Input Connector	N Female
Input Connector Center Contact Material	Beryllium Copper
Input Connector Center Contact Plating	Gold
Output Connector	N Male
Output Connector Center Contact Material	Beryllium Copper
Output Connector Center Contact Plating	Gold

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Adjustable Phase Trimmer, DC to 10 GHz, with an Adjustable Phase of 15 Deg. Per GHz and N Connectors, Stainless Steel Body PE8208](#)



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Environmental Specifications

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

Plotted and Other Data

Notes:

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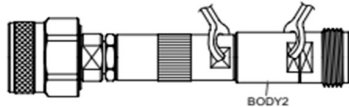
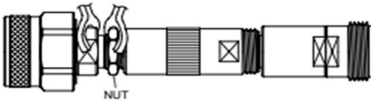
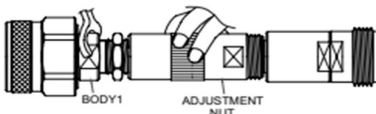
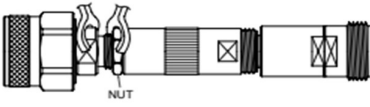
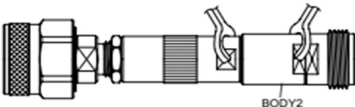


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Sequence Diagram

Phase Trimmer Instructions

Diagram	Phase Trimmer Instructions
	Step 1: Loosen BODY2 before adjusting Phase. Use Spanner size 11mm.
	Step 2: Loosen NUT before adjusting Phase. Use Spanner size 11mm.
	Step 3: Adjust to the required phase: Keep BODY1 in a fixed position and adjust phase by manually turning adjustment nut.
	Step 4: Tighten NUT after adjusting phase. Use Spanner size 11mm.
	Step 5: Tighten BODY2 after adjusting phase. Use Spanner size 11mm.

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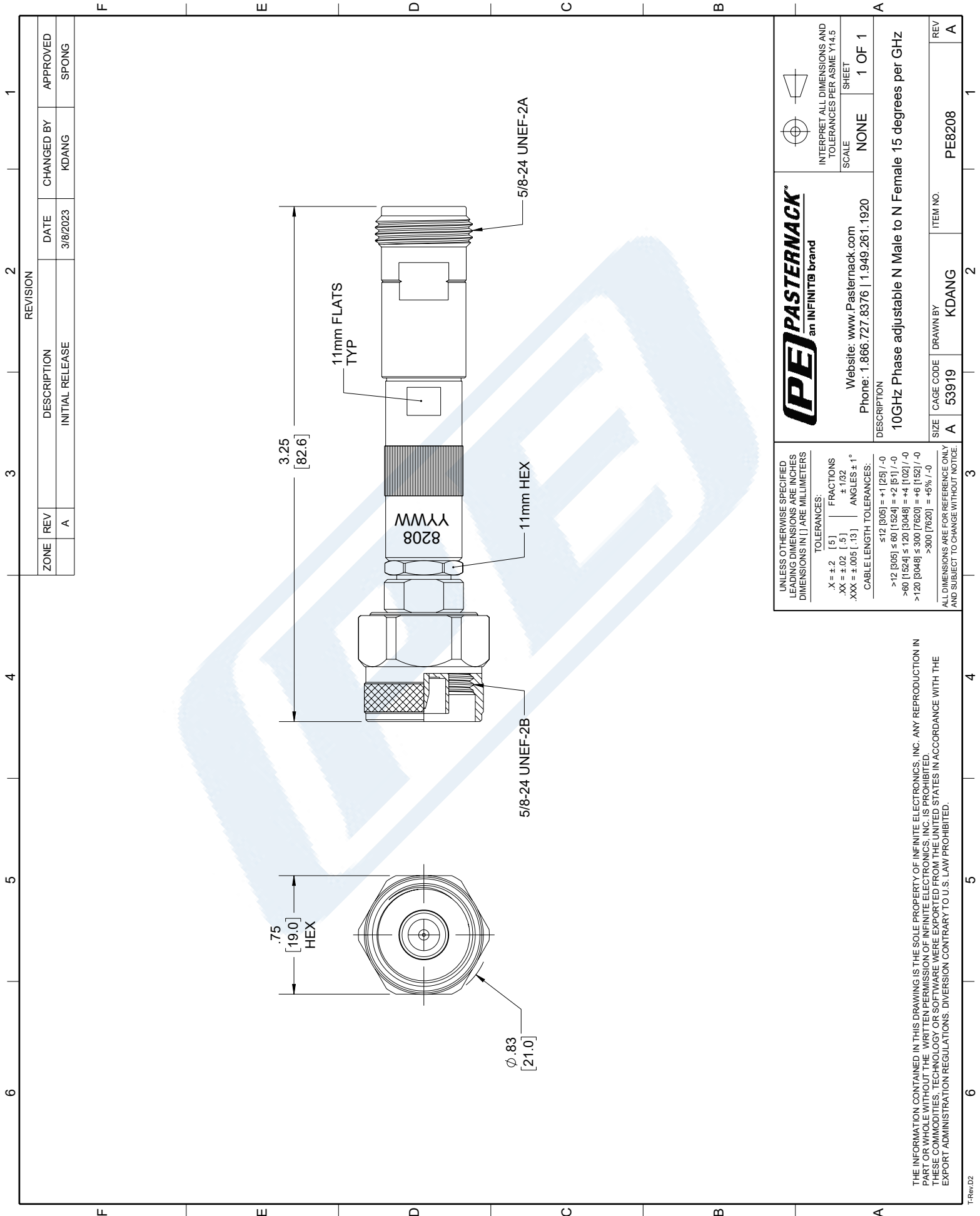
Adjustable Phase Trimmer, DC to 10 GHz, with an Adjustable Phase of 15 Deg. Per GHz and N Connectors, Stainless Steel Body from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part 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: [Adjustable Phase Trimmer, DC to 10 GHz, with an Adjustable Phase of 15 Deg. Per GHz and N Connectors, Stainless Steel Body PE8208](https://www.pasternack.com/adjustable-phase-trimmer-10-mhz-19.16-deg-per-ghz-n-pe8208-p.aspx)

URL: <https://www.pasternack.com/adjustable-phase-trimmer-10-mhz-19.16-deg-per-ghz-n-pe8208-p.aspx>

PE8208 CAD Drawing

Adjustable Phase Trimmer, DC to 10 GHz, with an Adjustable Phase of 15 Deg. Per GHz and N Connectors, Stainless Steel Body



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	3/8/2023	KDANG	SPONG

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION

10GHz Phase adjustable N Male to N Female 15 degrees per GHz

SIZE: A

CAGE CODE: 53919

DRAWN BY: KDANG

ITEM NO.: PE8208

REV: A

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

TOLERANCES:

X	±.2	[.5]	FRACTIONS	±.1/32	ANGLES ± 1°
.XX	±.02	[.5]			
.XXX	±.005	[.13]			

CABLE LENGTH TOLERANCES:

≤12 [305]	±.1 [25]	/-0
>12 [305]	±.60 [1524]	±.2 [51] /-0
>60 [1524]	±1.20 [3048]	±.4 [102] /-0
>120 [3048]	±3.00 [7620]	±.6 [152] /-0
>300 [7620]		±.5% /-0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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