



Directional 20 dB SMA Coupler From  
500 MHz to 2 GHz Rated to 50 Watts

Couplers Technical Data Sheet

PE2CP003-20

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		2	GHz
Impedance		50		Ohms
Coupling		20		dB
Insertion Loss		0.4		dB
Directivity	20			dB
Main Line VSWR			1.2:1	
Input Power (CW)			50	Watts

**Mechanical Specifications**

**Size**

Length	5.24 in [133.1 mm]
Width/Dia.	0.594 in [15.09 mm]
Height	0.434 in [11.02 mm]
Weight	0.164 lbs [74.39 g]

**Configuration**

Input Connector	SMA Female
Output Connector	SMA Female

**Environmental Specifications**

**Temperature**

Operating Range	-55 to +85 deg C
Storage Range	-55 to +100 deg C

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 20 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts PE2CP003-20](#)



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Directional 20 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts 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.

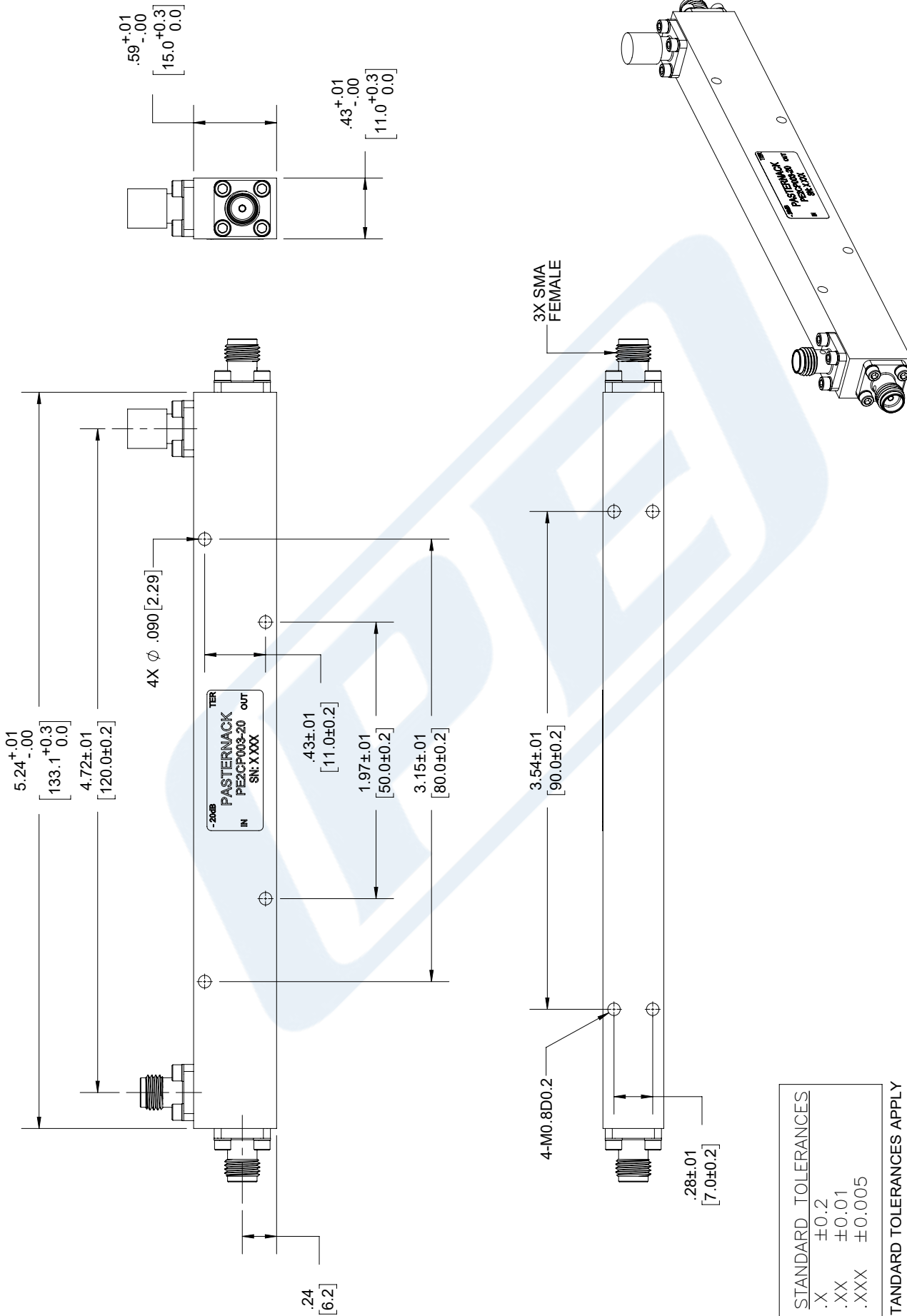
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 20 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts PE2CP003-20](https://www.pasternack.com/directional-20-db-sma-coupler-2-ghz-pe2cp003-20-p.aspx)

URL: <https://www.pasternack.com/directional-20-db-sma-coupler-2-ghz-pe2cp003-20-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.

# PE2CP003-20 CAD Drawing

Directional 20 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE2CP003-20

CAGE CODE 53919

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 07/18/18

SCALE N/A

SIZE A

7316