



Directional 10 dB SMA Coupler From
500 MHz to 2 GHz Rated to 50 Watts

Couplers Technical Data Sheet

PE2CP003-10

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		2	GHz
Impedance		50		Ohms
Coupling		10		dB
Directivity	20			dB
Main Line VSWR			1.25:1	
Input Power (CW)			50	Watts
Input Power (Peak)			3	kWatts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.5 to 2					GHz
Insertion Loss, Typ	0.9					dB

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	0.15917 lbs [72.2 g]

Configuration

Input Connector	SMA Female
Output Connector	SMA Female

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 10 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts PE2CP003-10](#)



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

Plotted and Other Data

Notes:

Directional 10 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.

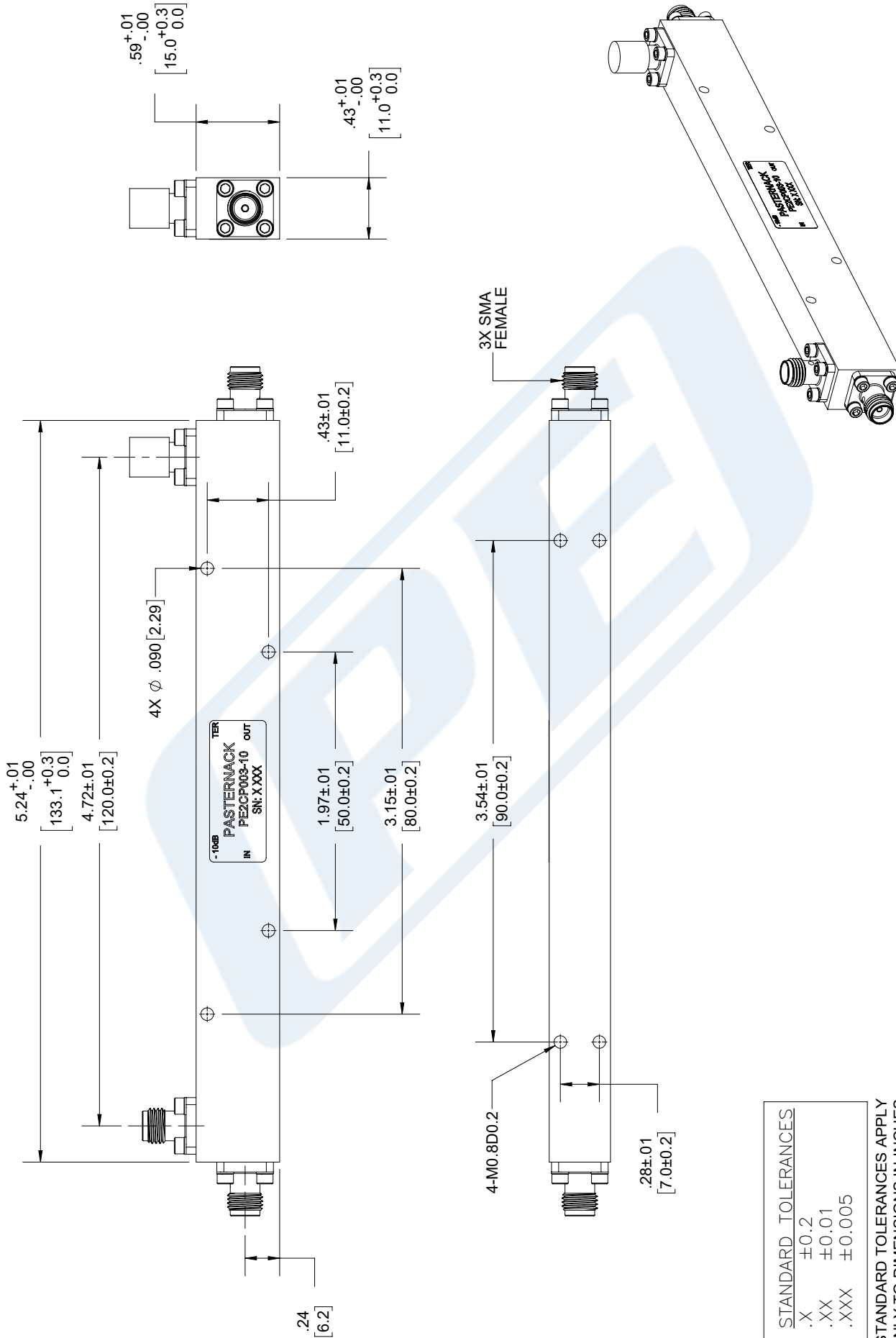
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 10 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts PE2CP003-10](#)

URL: <https://www.pasternack.com/directional-10-db-sma-coupler-2-ghz-pe2cp003-10-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.

PE2CP003-10 CAD Drawing

Directional 10 dB SMA Coupler From 500 MHz to 2 GHz Rated to 50 Watts



DWG TITLE

PE2CP003-10

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



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