



Low PIM 3 Way 4.3-10 Equal-Tapper High Power
From 600 MHz to 2.7 GHz Rated at 300 Watts

RF Tap Power Dividers Technical Data Sheet

PE20DV1029

Features

- Low PIM (-160 dBc)
- 300 watt CW Rating
- 600 to 2,700 MHz
- High Power
- 4.3-10 Female Connector
- Mounting Bracket

Applications

- Indoor/Outdoor Use (IP67)
- Base Station
- 4G/LTE/AWS/PCS/PMR/UMTS/TETRA/WiFi/WiMAX
- Distributed Antenna Systems (DAS)
- Wireless Infrastructure

Description

The PE20DV1029 is a High Power Equal Power Tapper with 4.3-10 Female connectors rated to 300 watt CW. Insertion loss is a low 0.15 dB.

Pasternack's family of Low PIM Equal Power Tappers (Tap Power Dividers) are designed without solder joints and a unique construction allows for exceptional performance within the 600 to 2,700 MHz frequency range. They are offered in a range of output port options to allow flexibility in the design of your DAS system. Especially designed and manufactured for the rigors of low PIM systems, this family of Tappers is rated at an average power of 300 watt CW, and have PIM performance of -160 dBc or better. They can be used indoor or outdoor as they meet the moisture requirements of IP67. They are available in four different connector types: N, DIN 7-16, 4.3-10, and Mini DIN 4.1/9.5.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.6		2.7	GHz
Impedance		50		Ohms
Insertion Loss			0.15	dB
Passive Intermodulation 2 Tones @ 43 dBm: F1 = 1930 MHz, F2 = 1990 MHz			-160	dBc
Input Power (CW)			300	Watts
Input Power (Peak)			3	KWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM 3 Way 4.3-10 Equal-Tapper High Power From 600 MHz to 2.7 GHz Rated at 300 Watts PE20DV1029](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.6 to 0.698	0.698 to 2.7				GHz
Input VSWR, Max	1.3:1	1.15:1				

Mechanical Specifications

Size

Weight: 1.058 lbs [479.9 g]
Housing Material and Plating: Aluminum, Conversion Coating

Configuration

Package Type: Connectorized
Input Connector: 4.3-10 Female
Output Connector: 4.3-10 Female

Environmental Specifications

Ingress Protection (IP) Rating: IP67

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

Plotted and Other Data

Notes:

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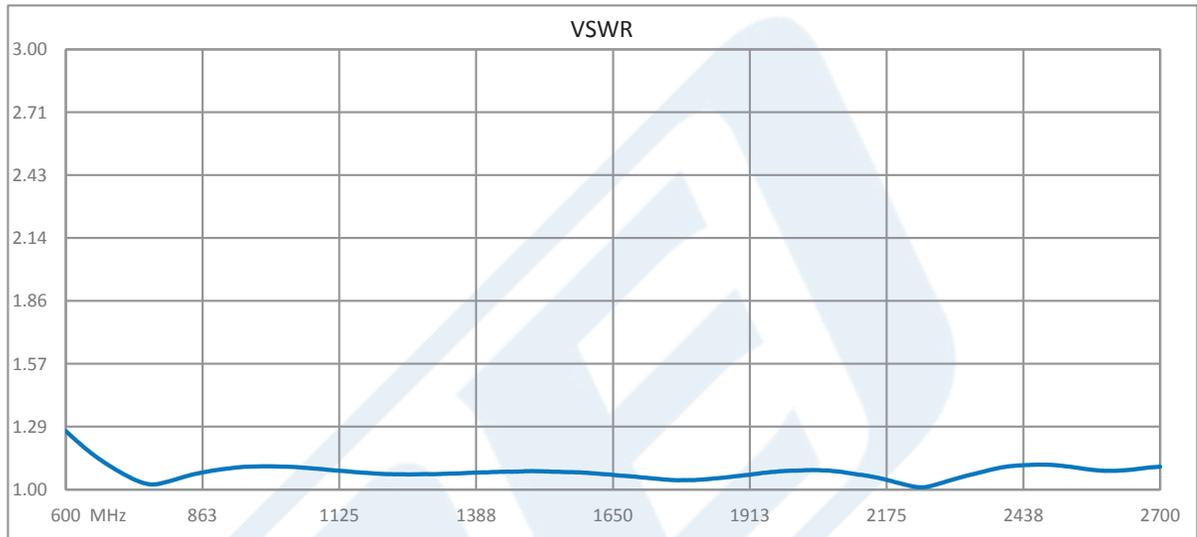


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Typical Performance Data



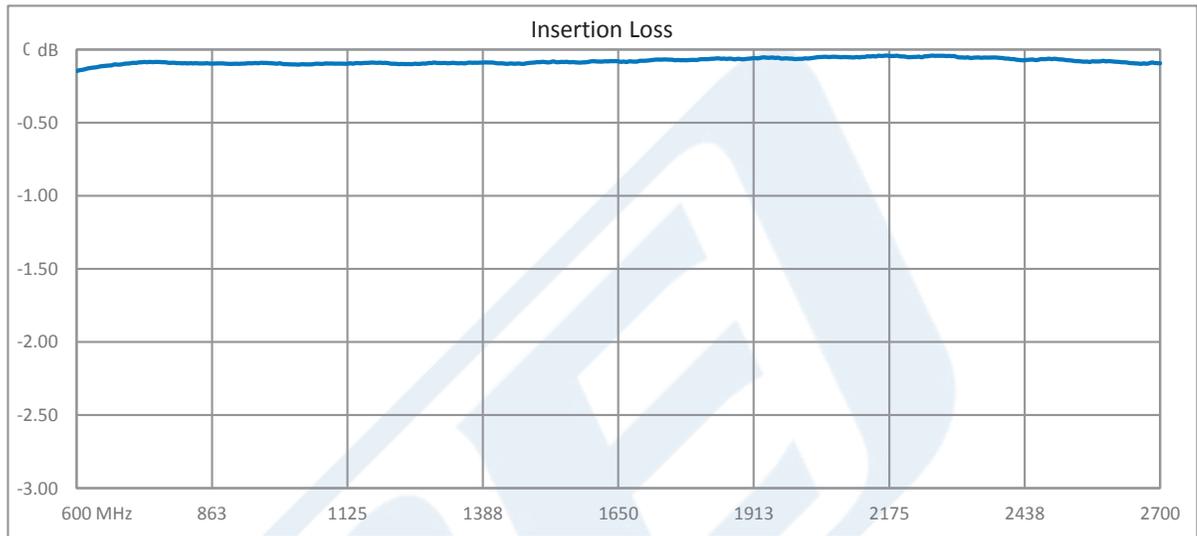
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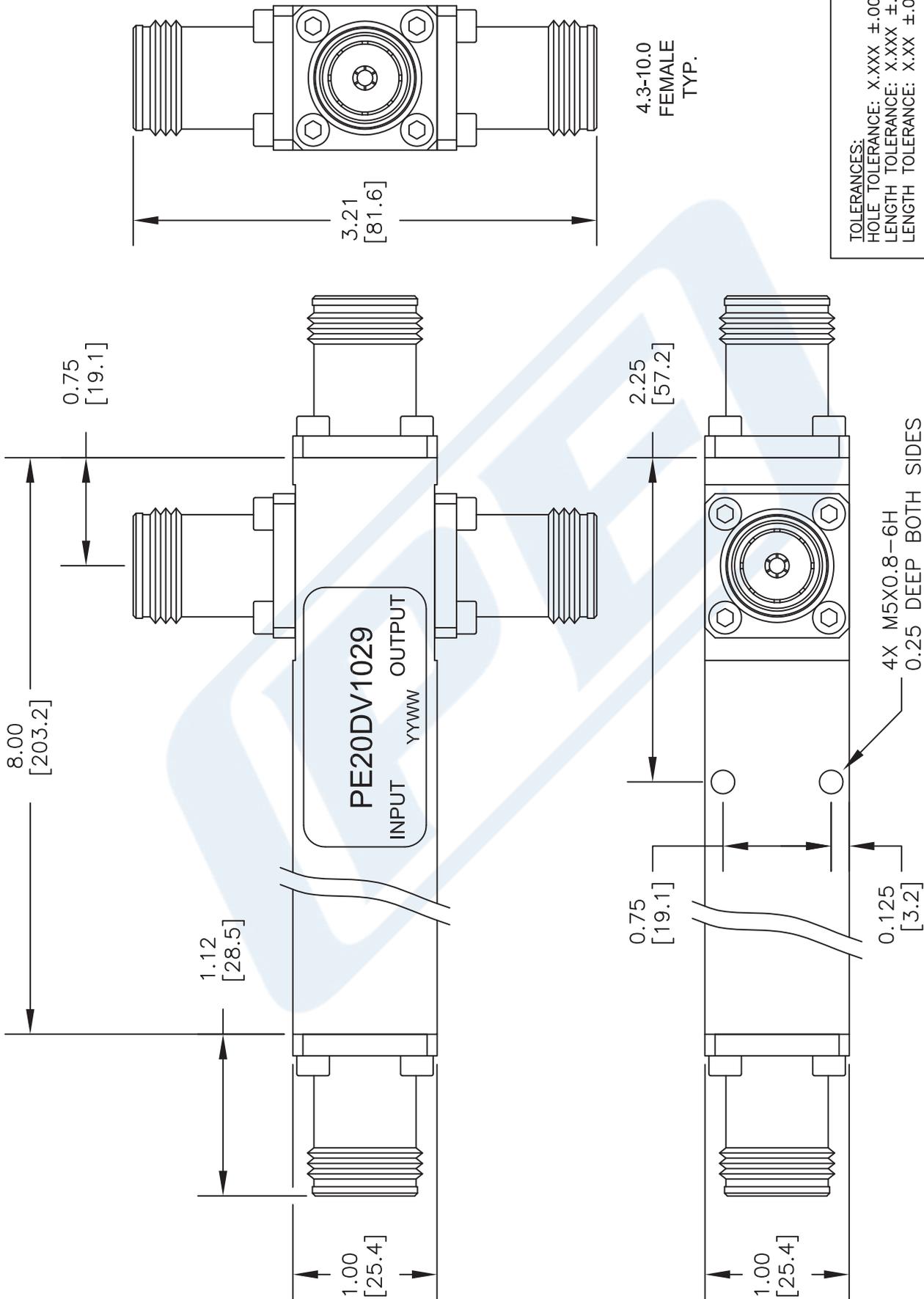
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE20DV1029 CAD Drawing

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- 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].

DWG TITLE
PE20DV1029

FSCM NO. 53919

CAD FILE 081716

SCALE N/A

SIZE A

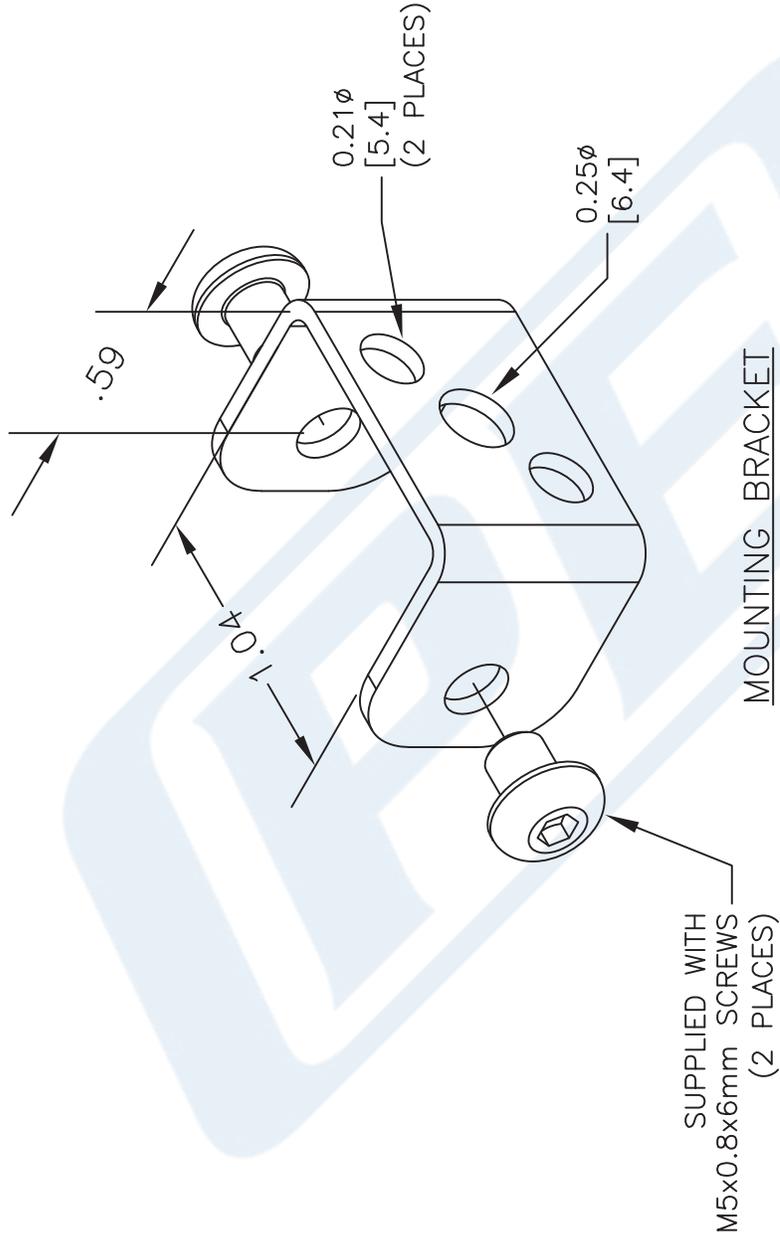
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TOLERANCES:
HOLE TOLERANCE: X.XXX ±.003
LENGTH TOLERANCE: X.XXX ±.010
LENGTH TOLERANCE: X.XX ±.03

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DWG TITLE
PE20DV1029

FSCM NO. 53919

CAD FILE 081716 SCALE N/A SIZE A 2233

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