



## Low PIM 3 Way N Power Divider From 698 MHz to 2.7 GHz Rated at 30 Watts

### Power Dividers Technical Data Sheet

PE20DV1034

#### Features

- Low PIM (-160 dBc)
- 30 watt CW Rating
- 698 to 2,700 MHz
- High Power
- N Type 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 PE20DV1034 is a 3 way Wilkinson Power Divider with N Type Female connectors rated to 30 watt CW.

Pasternack's family of Low PIM Power Dividers are designed without solder joints and a unique construction allows for exceptional performance within the 698 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

Design	Wilkinson
Number of Output Ports	3

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
Passive Intermodulation			-160	dBc
Input Power (CW)			30	Watts
Reverse Power (CW)			0.4	Watts

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.698 to 2.2	2.2 to 2.7				GHz
Input VSWR, Max	1.35:1	1.5:1				
Output VSWR, Max	1.3:1	1.3:1				
Insertion Loss, Max	0.45	0.7				dB
Isolation, Min	20	17				dB

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 N Power Divider From 698 MHz to 2.7 GHz Rated at 30 Watts PE20DV1034](#)



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**Mechanical Specifications**

Weight	0.862 lbs [391 g]
Housing Material and Plating	Aluminum, Chem Film
<b>Configuration</b>	
Package Type	Connectorized
Input Connector	N Female
Output Connectors	N Female
Ingress Protection (IP) Rating	IP67

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

**Plotted and Other Data**

Notes:

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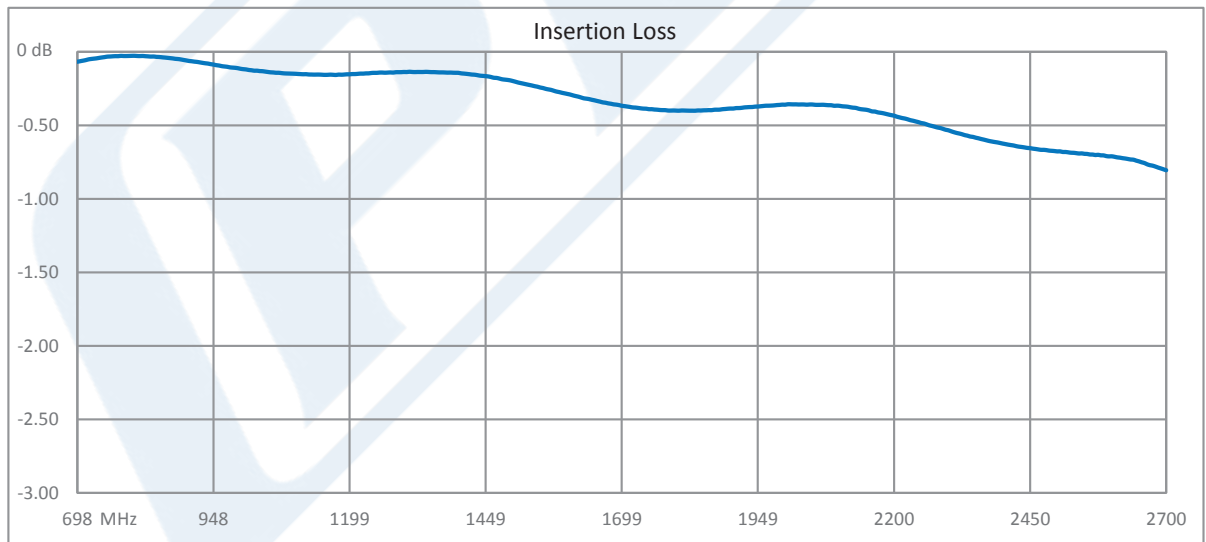
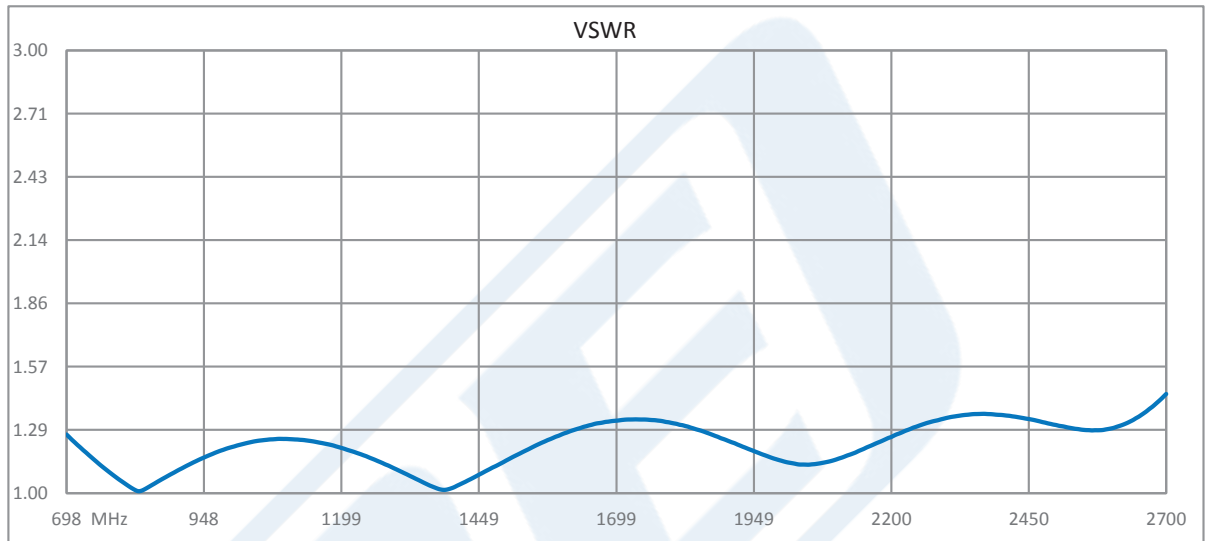


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Typical Performance Data



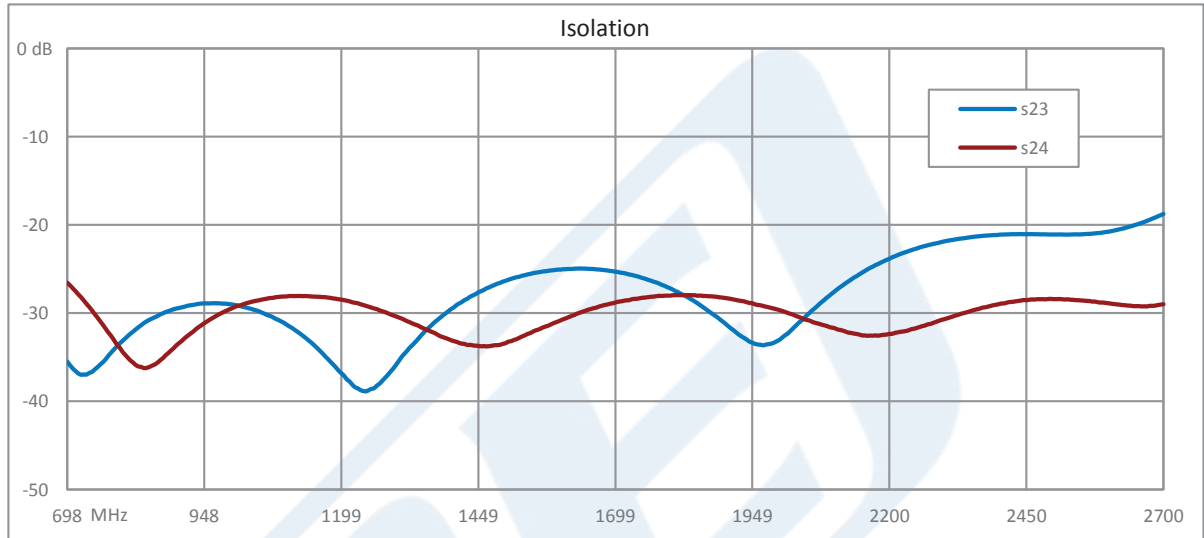
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Low PIM 3 Way N Power Divider From 698 MHz to 2.7 GHz Rated at 30 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

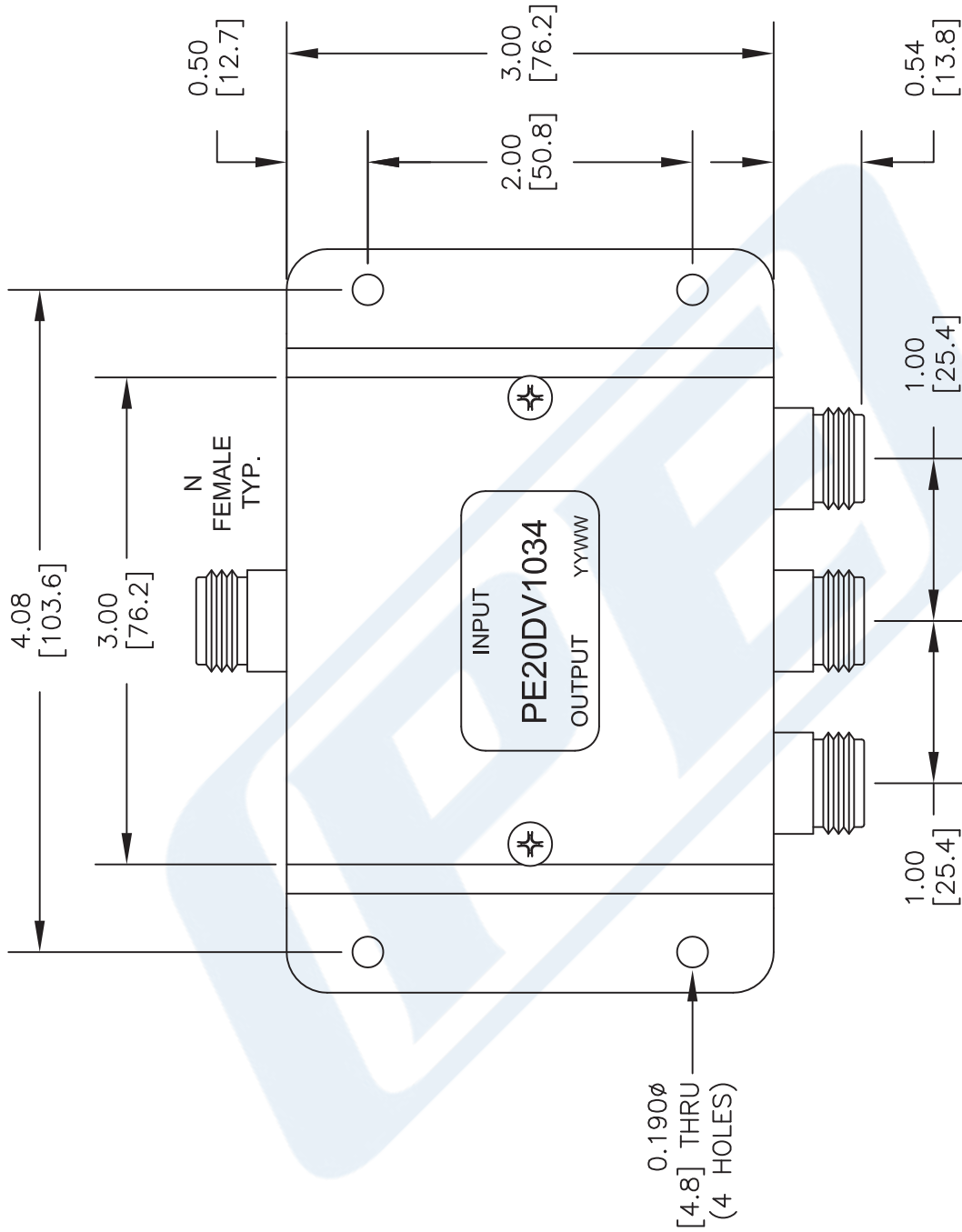
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements.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

# PE20DV1034 CAD Drawing

Low PIM 3 Way N Power Divider From 698 MHz to 2.7 GHz Rated at 30 Watts



FRONT VIEW

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

**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  
**PE20DV1034**

FSCM NO. 53919

SCALE N/A

SIZE A

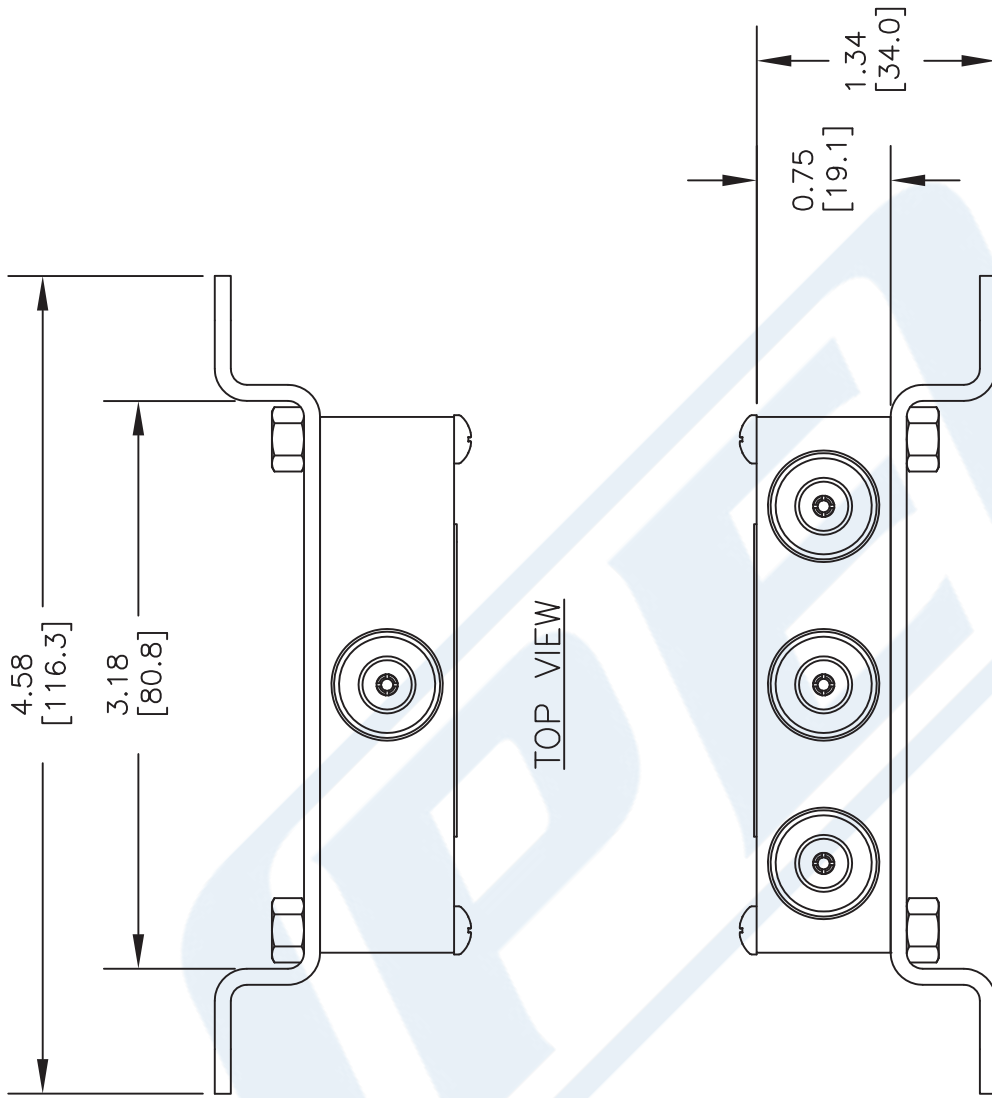
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# PE20DV1034 CAD Drawing

Low PIM 3 Way N Power Divider From 698 MHz to 2.7 GHz Rated at 30 Watts



TOP VIEW

BOTTOM VIEW

**TOLERANCES:**  
 HOLE TOLERANCE: X.XXX ±.003  
 LENGTH TOLERANCE: X.XXX ±.010  
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FSCM NO.	53919	CAD FILE	082216
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