WR-28 Bandpass Waveguide Filter With Flange
And a Pass Band From 30 GHz to 31 GHz

TECHNICAL DATA SHEET

Configuration
- Passband: Band Pass
- Number of Sections: 6
- Flange 1: WR-28
- Flange 2: WR-28
- Passband Frequency Range: 30 to 31 GHz

Electrical Specifications (Values at 25°C, sea level)

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passband Frequency Range</td>
<td>30</td>
<td>-</td>
<td>31</td>
<td>GHz</td>
</tr>
<tr>
<td>Passband Center Frequency</td>
<td>30.5</td>
<td></td>
<td></td>
<td>GHz</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td></td>
<td>1.5</td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Center Frequency Passband Insertion Loss</td>
<td></td>
<td>1.5</td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Passband VSWR</td>
<td></td>
<td>1.4:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rejection at 29 GHz</td>
<td>40</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Rejection at 32 GHz</td>
<td>40</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
</tbody>
</table>

Mechanical Specifications

- Size:
  - Length: 3.09 in [78.49 mm]
  - Width: 0.75 in [19.05 mm]
  - Height: 0.75 in [19.05 mm]
  - Weight: 0.06 lbs [27.22 g]

- Flange 1:
  - Type: WR-28

- Flange 2:
  - Type: WR-28

Compliance Certifications (visit www.Pasternack.com for current document)
- RoHS Compliant
- REACH Compliant: 12/17/2014

Plotted and Other Data
- Notes:
  - Values at 25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-28 Bandpass Waveguide Filter With Flange And a Pass Band From 30 GHz to 31 GHz
PE-W28F001
WR-28 Bandpass Waveguide Filter With Flange
And a Pass Band From 30 GHz to 31 GHz

Outline Drawing

WR-28 Bandpass Waveguide Filter With Flange And a Pass Band From 30 GHz to 31 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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.