SAW Filter 1150 MHz

Part No: MP02421

Model: TA0620A

REVISION: 1

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency</td>
<td>Fc</td>
<td>MHz</td>
<td></td>
<td>1150</td>
<td></td>
</tr>
<tr>
<td>Min. Insertion loss</td>
<td>IL</td>
<td>dB</td>
<td></td>
<td>1.7</td>
<td>3</td>
</tr>
<tr>
<td>1 dB bandwidth</td>
<td>BW1</td>
<td>MHz</td>
<td>32</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>3 dB bandwidth</td>
<td>BW3</td>
<td>MHz</td>
<td>33.5</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>35 dB bandwidth</td>
<td>BW35</td>
<td>MHz</td>
<td></td>
<td>80</td>
<td>90</td>
</tr>
<tr>
<td>Ripple in 27 MHz BW</td>
<td>dB</td>
<td></td>
<td>0.4</td>
<td>0.8</td>
<td></td>
</tr>
<tr>
<td>Return Loss</td>
<td>dB</td>
<td>10</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDV in 27 MHz BW</td>
<td>ns</td>
<td></td>
<td>20</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Temp tolerance</td>
<td>ppm/°C</td>
<td>-</td>
<td>36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω

A, C, D, F
SAW Filter 1150 MHz
Model: TA0620A
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D. OUTLINE DRAWING:

E: PCB FOOTPRINT:

B: Input
E: Output
A, C, D, F: Ground

Unit: mm
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics](image-url)

**SAW Filter 1150 MHz**

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**Part No:** MP02421

**REV NO.:** 1

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Model: TA0620A
Part No: MP02421

Reflection Functions:

S11

S22

Group delay
G. PACKING:
1. REEL DIMENSION
   (Reel Count: 7" = 1000; 13" = 3000)

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph showing the recommended reflow profile for the SAW Filter 1150 MHz with model TA0620A and part number MP02421. The graph illustrates temperature (°C) over time (Sec) with a peak around 220°C and a duration of approximately 200-300 seconds.]