BAND PASS FILTER
SURFACE MOUNT MODEL FIS-30

OPTIMIZED BANDWIDTH
Fc = 30 MHz

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency:</td>
<td>30 MHz</td>
</tr>
<tr>
<td>Passband I. Loss:</td>
<td>1.5 dB (Max)</td>
</tr>
<tr>
<td>Passband:</td>
<td>27.5 - 32.5 MHz</td>
</tr>
<tr>
<td>20 dB Bandwidth:</td>
<td>21.0 - 39.0 MHz</td>
</tr>
<tr>
<td>40 dB Bandwidth:</td>
<td>9.30 - 90.0 MHz</td>
</tr>
<tr>
<td>Power Rating:</td>
<td>1 Watt (Max)</td>
</tr>
<tr>
<td>Impedance:</td>
<td>50 Ohms</td>
</tr>
<tr>
<td>Operating Temp. Range:</td>
<td>-20°C to +70°C</td>
</tr>
</tbody>
</table>

MECHANICAL OUTLINE: 102S

PIN-OUT
Input 1
Output 8
Case Ground - All Others

LAYOUT FOR PRINTED CIRCUIT DESIGN
BAND PASS FILTER
SURFACE MOUNT MODEL FIS-30

OPTIMIZED BANDWIDTH  \( F_c = 30 \text{ MHz} \)

PERFORMANCE PLOTS

- **Passband Group Delay (ns)**
  - Frequency (MHz)

- **Passband Insertion Phase (deg)**
  - Frequency (MHz)

- **Passband Insertion Loss (dB)**
  - Frequency (MHz)

- **Return Loss (dB)**
  - Frequency (MHz)

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