280.0MHz SAW Filter

Model: TA0510A

Part No: MA09410

REV NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 0 dBm
2. DC voltage: 5V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Type.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>Fc</td>
<td>MHz</td>
<td>280</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Fc±4MHz</td>
<td>dB</td>
<td>3.0</td>
<td>4.5</td>
</tr>
<tr>
<td>3dB Bandwidth</td>
<td>BW-3dB</td>
<td>MHz</td>
<td>8</td>
<td>12.5</td>
</tr>
<tr>
<td>Ripple</td>
<td>Fc±4MHz</td>
<td>dB</td>
<td>0.8</td>
<td>2</td>
</tr>
</tbody>
</table>

Absolute Attenuation:(Reference level 0dB)

- Fc -100 to Fc -37.5 MHz dB 42 53 -
- Fc +37.5 to Fc +100 MHz dB 48 60 -

Note: ILmin is the minimum of the pass band attenuation. The bandwidth BW-3dB is the difference value of the upper and lower frequencies at the 3dB filter attenuation level relative to the ILmin.

C. MEASUREMENT CIRCUIT:

HP Network analyzer
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram]

![Another Frequency Characteristics Diagram]
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D. OUTLINE DRAWING:

Pin Configuration:
2: Input
6: Output
1,3,4,5,7,8: Ground
Unit: mm

E. PCB FOOTPRINT:
280.0MHz SAW Filter
Part No: MA09410

F. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION