465.0MHz SAW Filter

Part No: MA06601

Model: TA465FD

REV NO.: 3

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

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency ( F_C ) (MHz)</td>
<td>465</td>
<td>1</td>
</tr>
<tr>
<td>I.L. (Within ( F_C \pm 2 ) MHz) (dB)</td>
<td>4.0 max.</td>
<td></td>
</tr>
<tr>
<td>Ripple( Within ( F_C \pm 2 )MHz) (dB)</td>
<td>2.0 max.</td>
<td>1</td>
</tr>
<tr>
<td>Attenuation: (Reference level from 0 dB) (dB)</td>
<td>50 min.</td>
<td>1</td>
</tr>
<tr>
<td>( F_C ) -100MHz to -45MHz (dB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>( F_C ) +45MHz to +100MHz (dB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impedance at ( F_C ); Input ( Z_{IN} = R_{IN} // C_{IN} )</td>
<td>50Ω // 0PF</td>
<td>2</td>
</tr>
<tr>
<td>Output ( Z_{OUT} = R_{OUT} // C_{OUT} )</td>
<td>50Ω // 0PF</td>
<td>2</td>
</tr>
</tbody>
</table>

Note1. The standard definitions is in JIS C 6703
Note2.

Source impedance

\[ Z_{IN} = 50\Omega // 0pF \]

Load impedance

\[ Z_{OUT} = 50\Omega // 0pF \]
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram]

- Freq.(MHz) vs. Att.(dB)
- The diagram shows the frequency characteristics of the TA465FD filter.

![Additional Frequency Characteristics Diagram]

- Freq.(MHz) vs. Att.(dB)
- Additional detailed frequency characteristics graph for TA465Fd.
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω 2 SAW Filter 6 50Ω
1, 3, 4, 5, 7, 8

E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION