SAW Filter 470.0MHz  
Model: TA470FD  
Part No: MA05696  
REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 0 dBm
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>470</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: (Ref level from 0 dB) (dB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$F_C - 100$MHz to $-45$MHz (dB)</td>
<td>45 min.</td>
<td>1</td>
</tr>
<tr>
<td>$F_C +45$MHz to +100MHz (dB)</td>
<td>50 min.</td>
<td></td>
</tr>
<tr>
<td>Impedance at $F_C$; Input $Z_{IN} = R_{IN} // C_{IN}$</td>
<td>$50\Omega // 0pF$</td>
<td>2</td>
</tr>
<tr>
<td>Output $Z_{OUT} = R_{OUT} // C_{OUT}$</td>
<td>$50\Omega // 0pF$</td>
<td>2</td>
</tr>
</tbody>
</table>

Note1. The standard definitions is in JIS C 6703
Note2.
C. FREQUENCY CHARACTERISTICS:

(1) PASSBAND RESPONSE:

![Passband Response Graph]

(2) WIDEBAND RESPONSE:

![Wideland Response Graph]
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D. MEASUREMENT CIRCUIT:

E. OUTLINE DRAWING:

#2: INPUT
#6: output
#1,3,4,5,7,8: GROUND
UNIT: mm
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION