Specification for LC low-pass filter: \textbf{LC 0 - 75.0 / 07}

1. General
1.1. Package:

![Diagram of package with dimensions and connections]

- **Recommended footprint for package GS 10.9**
  - **Top view**
  - **Bottom view**

- **Pin connection:**
  - \#1: Input
  - \#3: Output
  - All other pads: GND

- **Temperature (°C):**
  - Reflow soldering: three times max.
  - Max 300s
  - 30...150s
  - 10...30s

- **Material:**
  - Can material: cupronickel

- **Technical details:**
  - PCB FR4 0.8mm

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Sample text for context...
1.2. Type name: LC 0-75.0/07
1.3. Number of poles: 11
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -35°C to +85°C

2. Electric values

2.1. Pass band

2.1.1. Pass band range

<table>
<thead>
<tr>
<th>Range</th>
<th>dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 &lt; f &lt; 75.0 MHz</td>
<td>&lt; 1.0 dB</td>
</tr>
<tr>
<td>0 &lt; f &lt; 50.0 MHz</td>
<td>&lt; 2.0 dB</td>
</tr>
<tr>
<td>71.0 &lt; f &lt; 75.0 MHz</td>
<td>&lt; 3.0 dB</td>
</tr>
</tbody>
</table>

2.1.2. Insertion loss

<table>
<thead>
<tr>
<th>Frequency</th>
<th>dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 MHz</td>
<td>≤ 0.5 dB</td>
</tr>
<tr>
<td>30 MHz</td>
<td>≤ 0.8 dB</td>
</tr>
<tr>
<td>60 MHz</td>
<td>≤ 1.5 dB</td>
</tr>
</tbody>
</table>

2.1.3. Ripple in pass band: ≤ 0.1 dB (measured peak to peak)

2.2. Stop band

2.2.1. Stop band range

<table>
<thead>
<tr>
<th>Range</th>
<th>dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 MHz &lt; f &lt; 700 MHz</td>
<td>&gt; 60 dB</td>
</tr>
</tbody>
</table>

2.3. Terminating impedance (input and output): 50 Ω // 0 pF

2.4. Maximum input power: +20 dBm

3. Marking on the package:

4. Environment conditions: corresponding to Vectron standard CF001
5. Taping (maximum 700 pcs./reel)

Drawing out direction

Tape dimension (mm)

Tape (all dimensions in mm)
- W: 32.0 ± 0.3
- So: 28.4 ± 0.1
- P1: 16.0 ± 0.1
- F: 14.2 ± 0.1
- Ko: 6.1 ± 0.1
- Ao: 11.2 ± 0.1
- Bo: 20.0 ± 0.1

Reel (all dimension in mm)
- A: ø 330 max.
- C: ø 21.8 ± 0.5
- N: ø 100 min.
- W1: 32.5 ± 0.5
- W2: 37.5 ± 0.5

Edited by: ___________________________ date: _______________ name: ___________________________