Specification for monolithic crystal filter: **MQF 73.35 - 2500/02**

1. General
1.1. Package:

1.2. Type name: **MQF 73.35-2500/02**
1.3. Number of poles: 4
1.4. Operating temperature range: -30°C to +85°C
1.5. Storage temperature range: -40°C to +90°C

**Reflow soldering:** three times max.

![Diagram of GS 2](image-url)
2. Electric values

2.1. Nominal centre frequency fo: 73.35 MHz
2.1.1 Centre frequency fc at +25°C 73.35 MHz ± 1.5 kHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fc ± 12.5 kHz
2.2.2. Ripple in pass band: < 1.0 dB peak to peak
2.2.3. Insertion loss: < 6.0 dB
   (measured on smallest attenuation in pass band)
2.2.4. Differential group delay at fc ± 9 kHz < 16 µs

2.3. Stop band

2.3.1. fc ± 25 kHz > 15 dB
2.3.2. fc ± 50 kHz > 40 dB
2.3.3. Alternate Attenuation at fc ± 1.0 MHz > 70 dB (except spurious)

2.4. Terminating impedance R/C (input and output): 800 Ω // 1.5 pF
2.4.1. Coupling capacitance Cc: 4.0 pF

2.5. Maximum input power level
   working: -10 dBm
   non-damaged: 0 dBm

2.6. Out band Intermodulation (IP3 > +20 dBm)
   - test tones: fo ± 25 kHz / fo ± 50 kHz
   - Input power level: -20 dBm
   - 3rd order intermodulation products at fo: > 80 dB (down from either of the
     -20 dBm test tones)

3. Marking:
   • M733525
     VI yyww

4. Environment conditions:
   Corresponding to Vectron standard CF001

5. Filters are Pb-free and 2002/95/EC RoHS compliant
6. Packing

maximum 1000 pcs. / reel

Tape dimension (mm)

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tape (all dimensions in mm)

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reel (all dimension in mm)

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Edited by: __________________________  date: ___________  name: __________________________