Specification for crystal filter: **QF 23.1-12500/02**

1. General

1.1. Package:

![Crystal Filter Diagram](image)

<table>
<thead>
<tr>
<th>Specification</th>
<th>23.1-12500/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2. Type name:</td>
<td>QF 23.1-12500/02</td>
</tr>
<tr>
<td>1.3. Number of poles:</td>
<td>6</td>
</tr>
<tr>
<td>1.4. Operating temperature range:</td>
<td>-20°C to +70°C</td>
</tr>
<tr>
<td>1.5. Storage temperature range:</td>
<td>-45°C to +85°C</td>
</tr>
</tbody>
</table>

2. Electric values

2.1. Nominal centre frequency fo: 23.1 MHz

2.2. Pass band

2.2.1. Bandwidth between 1 dB - frequencies: > fo ± 62.5 kHz

2.2.2. Ripple at fo ± 62.5 kHz: < 1.0 dB peak to peak

2.2.3. Insertion loss: < 5.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo - 550 MHz: > 60 dB

2.3.2. fo + 490 MHz: > 60 dB except spurious

2.3.3. Alternate attenuation: > 60 dB except spurious

2.3.4. Spurious responses (fo + 490.....+1500 kHz): > 30 dB

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

2.5. Maximum input power level: +10 / +20 (working / non-damaged)

3. Marking: manufacturer, date code QF 23.1-12500/02

4. Environment conditions: Corresponding to Vectron CF001 standard

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Edited by: ___________________________ date: ___________________________ name: ___________________________