

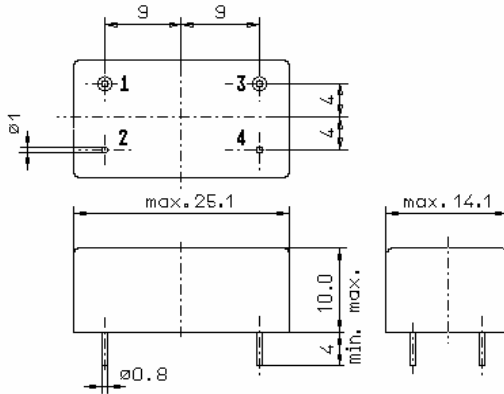


Specification for monolithic crystal filter

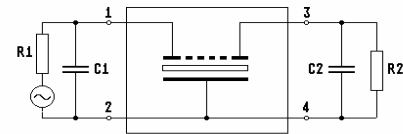
**MQF 70.0-2500/11**

**1. General**

1.1. Case:



GM3



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|-----------------------------------|---------------------|
| 1.2. Type name:                   | MQF 70.0-2500/11    |
| 1.3. Number of poles:             | 6, fundamental mode |
| 1.4. Operating temperature range: | -20°C to +70°C      |
| 1.5. Storage temperature range:   | -45°C to +85°C      |

**2. Electric values**

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|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 70.0 MHz |
|---------------------------------------|----------|

**2.2. Pass band**

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|---|--------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $> f_0 \pm 12.5$ kHz                 |
| 2.2.2. Ripple:  | $< 1.0$ dB at $f_0 \pm 8$ kHz        |
| 2.2.3. Group delay distortion:  | $< 20$ $\mu$ s at $f_0 \pm 10$ kHz   |
| 2.2.4. Group delay distortion:  | $< 50$ $\mu$ s at $f_0 \pm 12.5$ kHz |
| 2.2.5. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 6.0$ dB                           |

**2.3. Stop band**

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|------------------------------|-------------------------------|
| 2.3.1. $f_0 \pm 30$ kHz      | $> 40$ dB                     |
| 2.3.2. $f_0 \pm 50$ kHz      | $> 50$ dB                     |
| 2.3.3. Alternate attenuation | $> 80$ dB ( except spurious ) |

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| 2.4. Terminating impedance ( input and output ): | 50 $\Omega$ // 0 pF |
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|-------------------------|---|
| 3. Marking on the case: | manufacturer, date code<br>MQF 70.0-2500/11 |
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| 4. Environment conditions: | Corresponding to Telefilter CF001 |
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Edited by: \_\_\_\_\_ date: \_\_\_\_\_

Name: \_\_\_\_\_