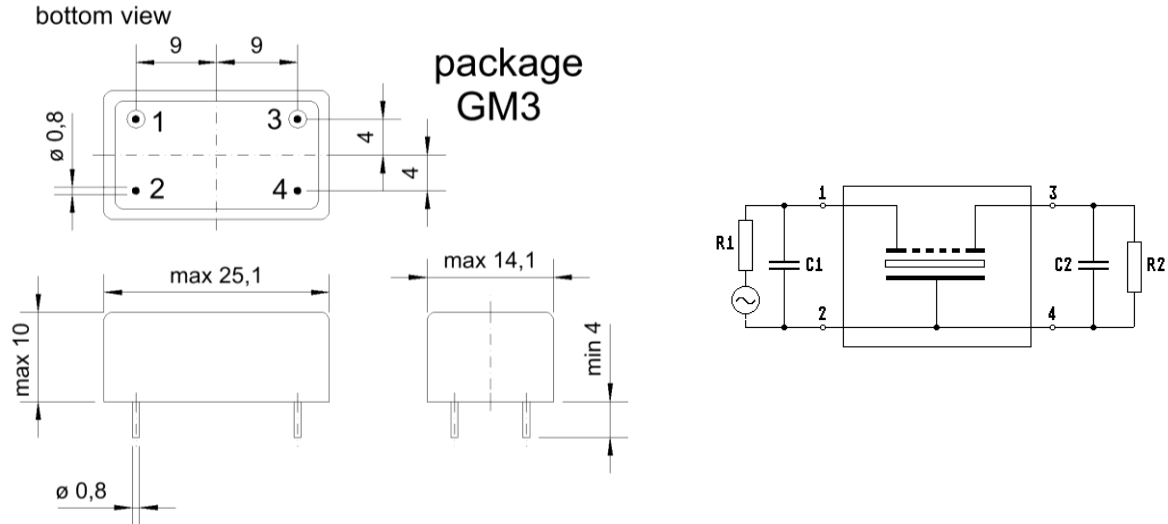


Specification for monolithic crystal filter

**MQF 70.0-0800/07V0**

1. General

1.1. Package:



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 70.0-0800/07V0 |
| 1.3. Number of poles:             | 4                  |
| 1.4. Operating temperature range: | -40°C to +85°C     |
| 1.5. Storage temperature range:   | -40°C to +85°C     |

2. Electric values

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

2.2. Pass band

- |   |  |
|---|--|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 4.0$ kHz                 |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 2.0$ kHz     |
| 2.2.3. Group delay distortion:  | $\leq 15$ $\mu$ s at $f_0 \pm 4.0$ kHz |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 5.0$ dB                          |

2.3. Stop band

- |   |              |
|---|--------------|
| 2.3.1. $f_0 \pm 75$ kHz                     | $\geq 40$ dB |
| 2.3.2. $f_0 \pm 455$ kHz                    | $\geq 60$ dB |
| 2.3.3. $f_0 \pm 825$ kHz..... $\pm 925$ kHz | $\geq 70$ dB |
| 2.3.4. Spurious responses:                  | $\geq 40$ dB |

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|--|---------------------|
| 2.4. Terminating impedance ( input and output ): | 50 $\Omega$ // 0 pF |
|--|---------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 70.0-0800/07 |
|-------------|---|

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|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
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Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_