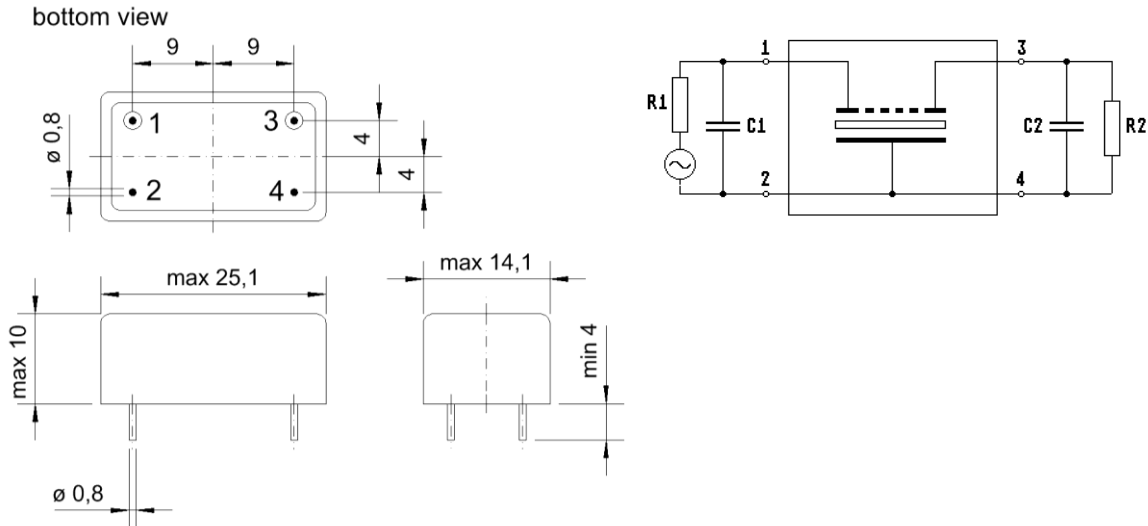


Specification for monolithic crystal filter: **MQF 35.25 - 5000 / 07V0**

1. General

1.1. Package:



- |                                   |                     |
|-----------------------------------|---------------------|
| 1.2. Type name:                   | MQF 35.25-5000/07V0 |
| 1.3. Number of poles:             | 6                   |
| 1.4. Operating temperature range: | -40°C to +85°C      |
| 1.5. Storage temperature range:   | -54°C to +100°C     |

2. **Electric values**

- |   |                                     |
|---|-------------------------------------|
| 2.1. Nominal centre frequency $f_0$ :                                       | 35.25 MHz                           |
| <b>2.2. Pass band</b>   |                                     |
| 2.2.1. Centre frequency $f_c$ :   | 35.25 MHz $\pm$ 3.0 kHz             |
| 2.2.2. Bandwidth between 3 dB - frequencies:                                | $\geq f_c \pm 25$ kHz               |
| 2.2.3. Ripple:  | $\leq 2.0$ dB at $f_c \pm 17.5$ kHz |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 5.0$ dB                       |
| <b>2.3. Stop band</b>   |                                     |
| 2.3.1. $f_c \pm 100$ kHz  | $\geq 70$ dB                        |
| 2.3.2. $f_c \pm 910$ kHz  | $\geq 70$ dB                        |
| 2.3.3. Spurious responses   | $\geq 50$ dB                        |
| 2.4. Terminating impedance ( input and output ):                            | 50 $\Omega$ // 0 pF                 |

3. Marking:



- |                            |   |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
|----------------------------|---|