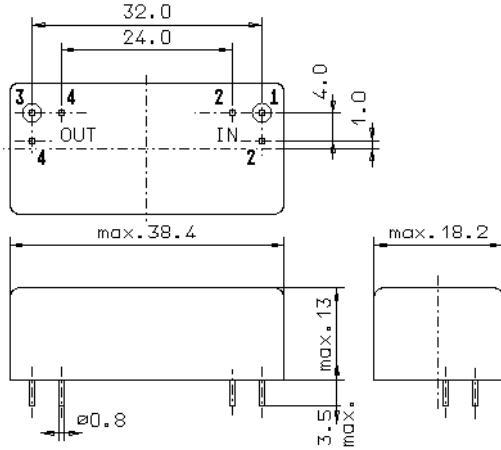


Specification for monolithic crystal filter

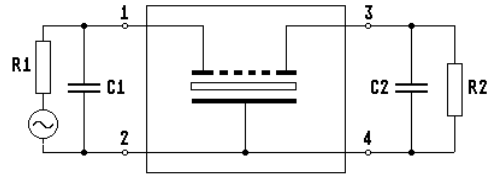
**MQF 70.0-2300/07**

**1. General**

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 70.0-2300/07 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°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:                                | $\geq f_0 \pm 11.5$ kHz                 |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 8.0$ kHz      |
| 2.2.3. Group delay distortion (-20°C to +70°C):                             | $\leq 30$ $\mu$ s at $f_0 \pm 11.5$ 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. $f_0 \pm 30$ kHz  | $\geq 20$ dB                     |
| 2.3.2. $f_0 \pm 50$ kHz  | $\geq 40$ dB ( except spurious ) |
| 2.3.3. $f_0 \pm 200$ kHz | $\geq 60$ dB ( except spurious ) |

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

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 70.0-2300/07 |
|-------------|---|

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

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_