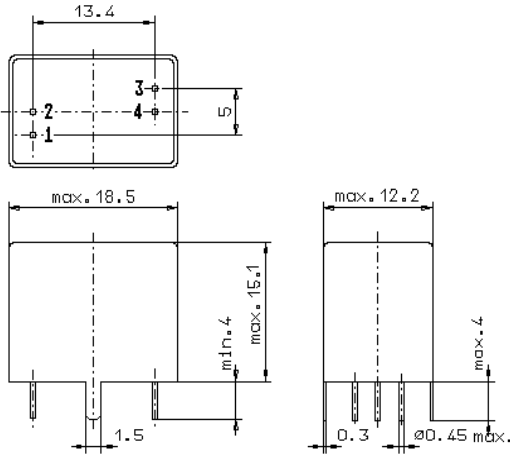


Specification for monolithic crystal filter:

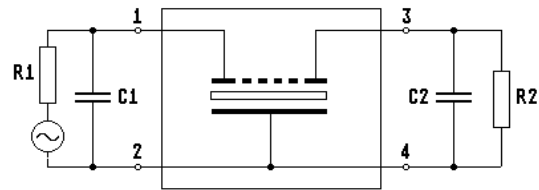
**MQF 10.0-1600/04**

1. General

1.1. Package:



GV5.1



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.0-1600/04 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -40°C to +70°C   |
| 1.5. Storage temperature range:   | -55°C to +85°C   |

2. **Electric values**

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 10.0 MHz |
|---------------------------------------|----------|

2.2. **Pass band**

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Centre frequency $f_c$ :   | 10.0 MHz $\pm$ 300 Hz              |
| 2.2.2. Bandwidth between 6 dB - frequencies:                                | $\geq f_0 \pm 8.0$ kHz             |
| 2.2.3. Ripple:  | $\leq 1.5$ dB at $f_0 \pm 6.0$ kHz |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 4.0$ dB                      |

2.3. **Stop band**

- |                               |              |
|-------------------------------|--------------|
| 2.3.1. $f_0 \pm 20$ kHz       | $\geq 60$ dB |
| 2.3.2. $f_0 \pm 25$ kHz       | $\geq 80$ dB |
| 2.3.3. Alternate attenuation: | $\geq 90$ dB |

- |  |                          |
|--|--------------------------|
| 2.4. Terminating impedance ( input and output ): | 9000 $\Omega$ // -0.5 pF |
|--|--------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 10.0-1600/04 |
|-------------|---|

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

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