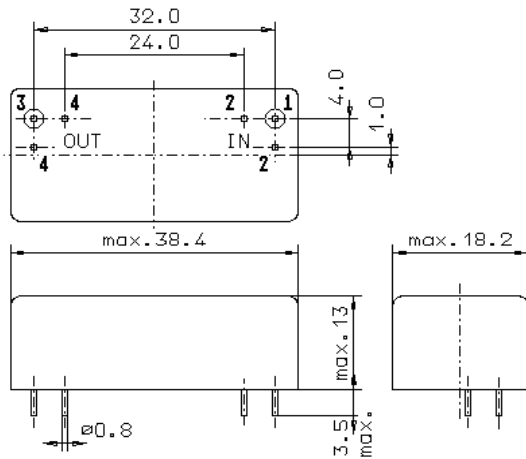


Specification for monolithic crystal filter:

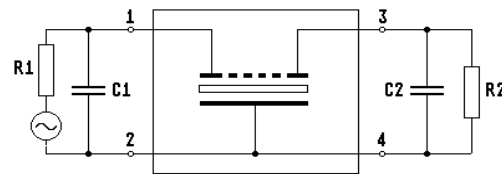
**MQF 10.7-1000/13**

**1. General**

**1.1. Package:**



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-1000/13 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | 0°C to +70°C     |
| 1.5. Storage temperature range:   | -45°C to +85°C   |

**2. Electric values**

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 10.7 MHz |
|---------------------------------------|----------|

**2.2. Pass band**

- |   |                        |
|---|------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 5.0$ kHz |
| 2.2.2. Ripple ( at $f_0 \pm 3.0$ kHz ):                                     | < 2.0 dB               |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | < 3.0 dB               |

**2.3. Stop band**

- |                              |         |
|------------------------------|---------|
| 2.3.1. $f_0 \pm 15$ kHz      | > 60 dB |
| 2.3.2. Alternate attenuation | > 60 dB |

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

- |            |                                     |
|------------|-------------------------------------|
| 2.5. VSWR: | < 2.0 : 1 ( return loss > 9.55 dB ) |
|------------|-------------------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 10.7-1000/13 |
|-------------|---|

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

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