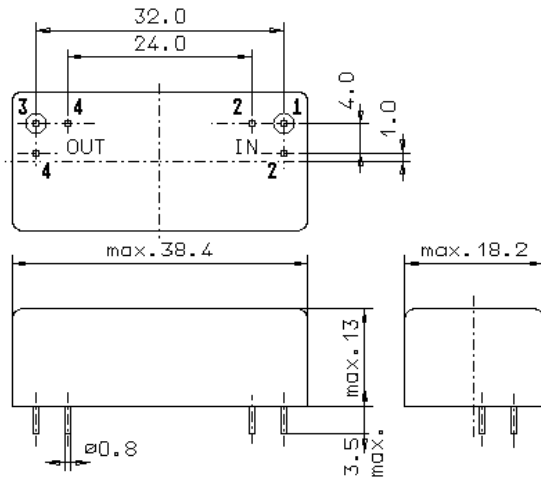


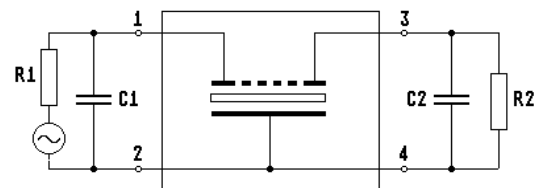
Specification for monolithic crystal filter: **MQF 10.7-6800/03**

## 1. General

### 1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-6800/03 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -40°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 6 dB - frequencies:                                | $> f_0 \pm 34$ kHz |
| 2.2.2. Ripple at $f_0 \pm 20$ kHz:  | $< 1.5$ dB         |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 4.0$ dB         |

### 2.3. Stop band

- |   |           |
|---|-----------|
| 2.3.1. $f_0 \pm 70$ kHz                                       | $> 40$ dB |
| 2.3.1. $f_0 \pm 90$ kHz..... $\pm 300$ kHz                    | $> 60$ dB |
| 2.3.3. Spurious responses<br>at $f_0 + 70$ kHz.....+500 kHz : | $> 30$ dB |

- |  |                       |
|--|-----------------------|
| 2.4. Terminating impedance ( input and output ): | $900 \Omega // 25$ pF |
|--|-----------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 10.7-6800/03<br>or OEM marking |
|-------------|---|

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

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