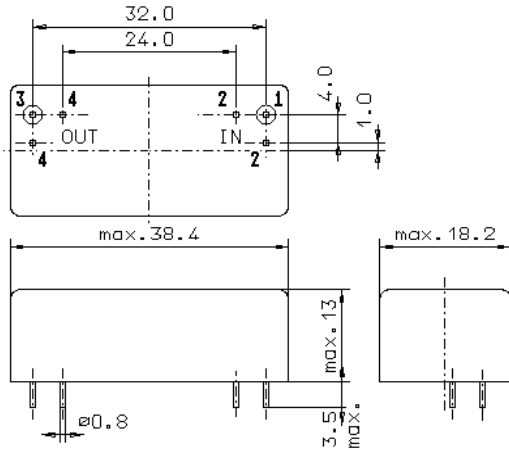


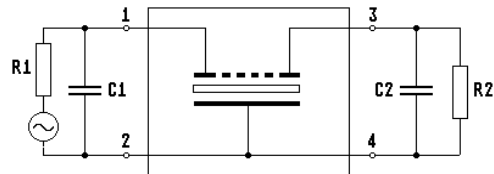
Specification for monolithic crystal filter: **MQF 10.7-5000/10V0**

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 10.7-5000/10V0 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency f_0 : | 10.7 MHz |
| 2.2. Pass band | |
| 2.2.1. Centre frequency f_c : | 10.7 MHz \pm 1.0 kHz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | \geq 50 kHz |
| 2.2.3. Ripple: | \leq 1.5 dB at $f_0 - 18$ kHz $< f < f_0 + 15$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | \leq 4.0 dB |
| 2.2.5. Group delay distortion: | < 16 μ s at $f_0 \pm 18$ kHz |
| 2.3. Stop band | |
| 2.3.1. Bandwidth between 70 dB - frequencies: | < 150 kHz |
| 2.3.2. Alternate attenuation: | > 80 dB |
| 2.3.3. Spurious responses (at 50 kHz.....250 kHz)
generally: | > 50 dB |
| with one exception : | > 40 dB |
| 2.4. Terminating impedance (input and output): | 910 Ω // 25 pF |
| 3. Marking: | manufacturer, date code
MQF 10.7-5000/10V0
10.7 MHz, $B_3 = 50$ kHz |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____