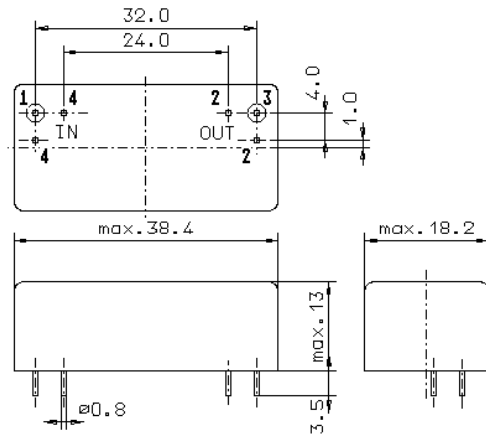


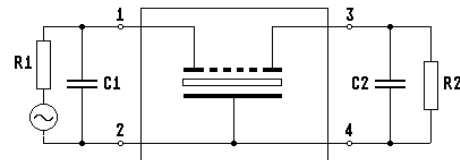
Specification for monolithic crystal filter **MQF 70.0 - 1000 / 03**

1. General

1.1. Package:



GM17.1



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|-----------------------------------|------------------|
| 1.2. Type name: | MQF 70.0-1000/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -25°C to +75°C |
| 1.5. Operable temperature range: | -30°C to +80°C |
| 1.6. Storage temperature range: | -40°C to +85°C |

2. Electric values

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| 2.1. Nominal centre frequency f_0 : | 70.0 MHz |
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2.2. Pass band

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|---|------------------------------------|
| 2.2.1. Centre frequency f_c (at 25°C): | 70.0 MHz \pm 400 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_c \pm 5.0$ kHz |
| 2.2.3. Ripple: | ≤ 2.0 dB at $f_c \pm 4.0$ kHz |
| 2.2.4. Insertion loss: (measured on smallest attenuation in pass band) | ≤ 5.0 dB |

2.3. Stop band

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|---------------------------|----------------------------------|
| 2.3.1. $f_c \pm 30$ kHz | ≥ 70 dB |
| 2.3.2. $f_c \pm 60$ kHz | ≥ 80 dB (except spurious) |
| 2.3.3. $f_0 \pm 2.0$ MHz | ≥ 80 dB (except spurious) |
| 2.3.4. Spurious responses | ≥ 50 dB |

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| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
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| 3. Marking: | manufacturer, date code MQF 70.0-1000/03 OEM marking on demand |
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| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
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Edited by: _____ date: _____ name: _____