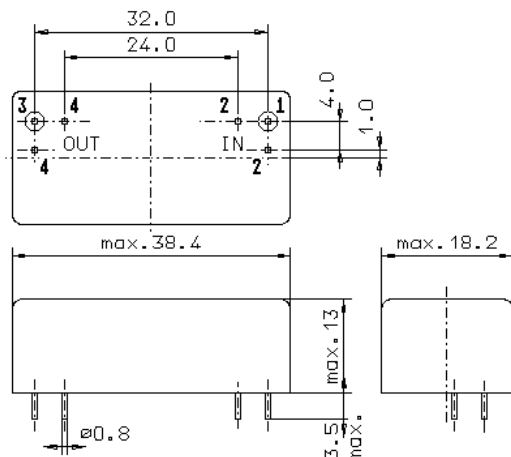


Specification for monolithic crystal filter:

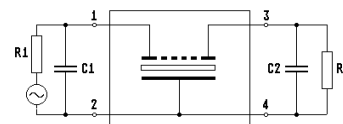
MQF 10.0-0300/04

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.0-0300/04 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +105°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 200 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_c \pm 1.2$ kHz |
| 2.2.3. Ripple: | ≤ 2.0 dB at $f_c \pm 1.1$ kHz |
| 2.2.4. Insertion loss: | ≤ 4.0 dB |
| (measured on smallest attenuation in pass band) | |

2.3. Stop band

- | | |
|--------------------------|--------------|
| 2.3.1. $f_c \pm 1.5$ kHz | ≥ 6 dB |
| 2.3.2. $f_c \pm 2$ kHz | ≥ 20 dB |
| 2.3.3. $f_c \pm 3$ kHz | ≥ 40 dB |
| 2.3.4. $f_c \pm 4$ kHz | ≥ 60 dB |
| 2.3.5. $f_c \pm 5$ kHz | ≥ 70 dB |
| 2.3.6. $f_c \pm 6$ kHz | ≥ 80 dB |
| 2.3.7. $f_c \pm 7$ kHz | ≥ 90 dB |
| 2.3.8. $f_c \pm 8$ kHz | ≥ 90 dB |

- | | |
|--|------------------------|
| 2.4. Terminating impedance (input and output): | 1000 Ω // 25 pF |
|--|------------------------|

- | | |
|----------------------------|---|
| 3. Marking on the package: | manufacturer, date code
306-A-3b
MQF 10.0-0300/04 |
|----------------------------|---|

- | | |
|----------------------------|-----------------------------------|
| 4. Environment conditions: | Corresponding to Telefilter CF001 |
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Edited by: _____ date: _____ name: _____