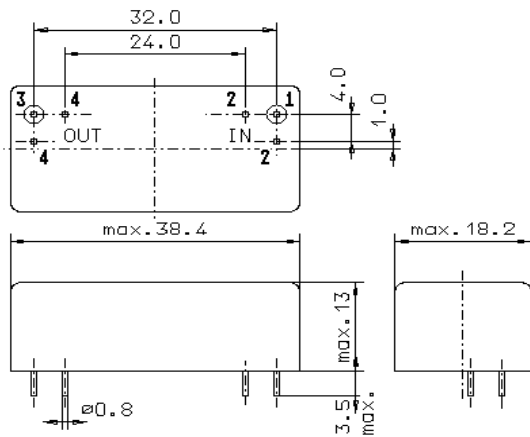


Specification for monolithic crystal filter:

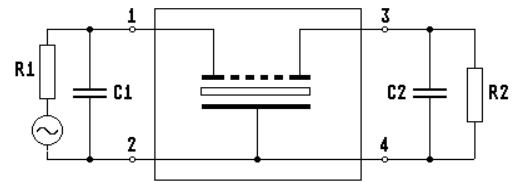
MQF 21.4-2000/19

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-2000/19 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -30°C to +70°C |
| 1.5. Storage temperature range: | -55°C to +105°C |

2. Electric values

- | | |
|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 21.4 MHz |
|-----------------------------------|----------|

2.2. Pass band

- | | |
|---|-----------------------------------|
| 2.2.1. Centre frequency fc: | 21.4 MHz ± 600 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | ≥ fo ± 9.8 kHz
≤ fo ± 11.2 kHz |
| 2.2.3. Ripple: | ≤ 1.0 dB at fc ± 7.5 kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 4.0 dB |

2.3. Stop band

- | | |
|----------------------------|---------|
| 2.3.1. fo ± 20 kHz | ≥ 60 dB |
| 2.3.2. fo ± 200 kHz | ≥ 70 dB |
| 2.3.3. Spurious responses: | ≥ 70 dB |

- | | |
|--|---------------------|
| 2.4. Terminating impedance (input and output): | 50 Ω ± 10 % // 0 pF |
|--|---------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 21.4-2000/19 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____