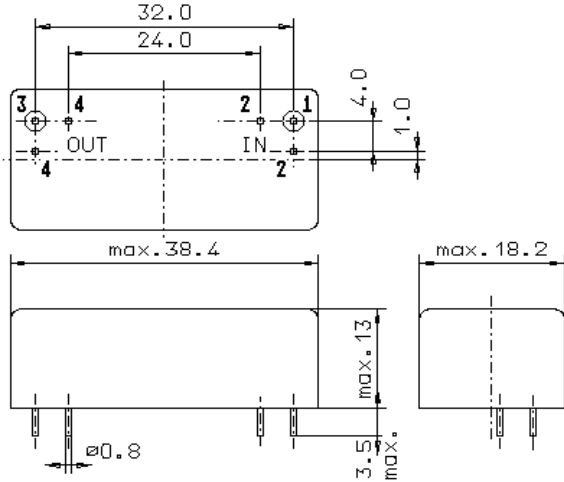


Specification for monolithic crystal filter:

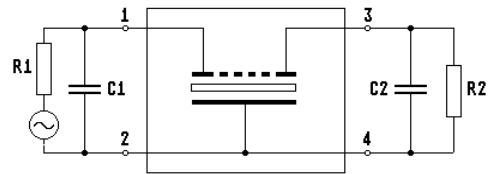
MQF 21.4-2000/24

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-2000/24 |
| 1.3. Number of poles: | 10 |
| 1.4. Operating temperature range: | -20°C to +60°C |
| 1.5. Storage temperature range: | -35°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency fo: | 21.4 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_o \pm 10.0$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_o \pm 8.0$ kHz |
| 2.2.3. Group delay distortion: | < 10 μ s at $f_o \pm 4.0$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 5.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_o \pm 25$ kHz | ≥ 80 dB |
| 2.3.2. $f_o \pm 100$ kHz.....5 MHz | ≥ 90 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Intermodulation | |
| frequency 1: | 21.00 MHz / 21.20 MHz |
| frequency 2: | 21.60 MHz / 21.80 MHz |
| input power: | -6 dBm |
| IM: | > 80 dB |
| 3. Marking: | manufacturer, date code
MQF 21.4-2000/24 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____