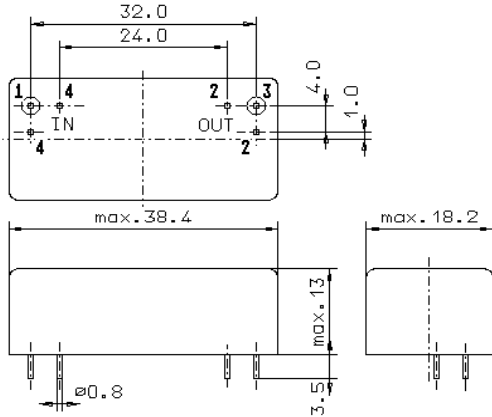


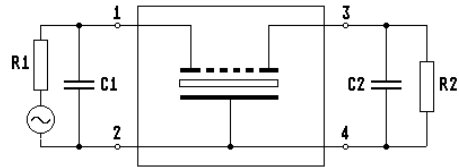
Specification for monolithic crystal filter: **MQF 21.4-3000/37V0**

1. General

1.1. Package:



GM17.1



- 1.2. Type name: MQF 21.4-3000/37V0
- 1.3. Number of poles: 6
- 1.4. Operating temperature range: -10°C to +70°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. Centre frequency fc: 21.4 MHz ± 1300 Hz
 - 2.2.2. Bandwidth between 6 dB - frequencies: ≥ fc ± 15 kHz
 - 2.2.3. Ripple: Gaussian
 - 2.2.4. Group delay distortion (at fc ± 15 kHz): ≤ 5.0 µs
 - 2.2.5. Insertion loss: ≤ 4.0 dB
(measured on smallest attenuation in pass band)
- 2.3. **Stop band**
 - 2.3.1. fc ± 56 kHz ≥ 60 dB
 - 2.3.2. Alternate attenuation (fo ± 1.2 MHz.....5 MHz) ≥ 90 dB (except spurious)
- 2.4. Terminating impedance (input and output): 50 Ω // 0 pF
- 2.5. Intermodulation
 - IP 3: > 30 dBm
 - frequencies: 21.50 MHz / 21.60 MHz
 - input power: 0 dBm
 - IM: > 60 dB
- 3. Marking: manufacturer, date code
MQF 21.4-3000/37V0
- 4. Environment conditions: Corresponding to Vectron CF001