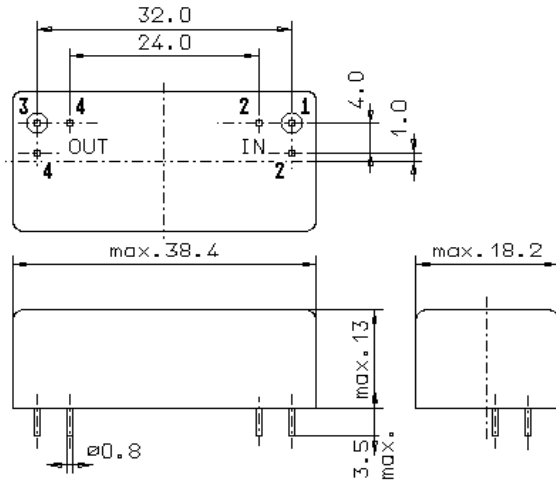


Specification for monolithic crystal filter:

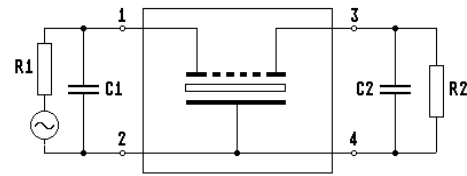
MQF 21.4-3000/06

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-3000/06 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -30°C to +70°C |
| 1.5. Storage temperature range: | -35°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|-----------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 15$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_0 \pm 12$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.5 dB |

2.3. Stop band

- | | |
|-------------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 35$ kHz | ≥ 70 dB |
| 2.3.2. $f_0 \pm 50$ kHz | ≥ 90 dB |
| 2.3.3. Alternate attenuation: | ≥ 90 dB (except spurious) |

- | | |
|--|---------------------|
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
|--|---------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 21.4-3000/06 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____