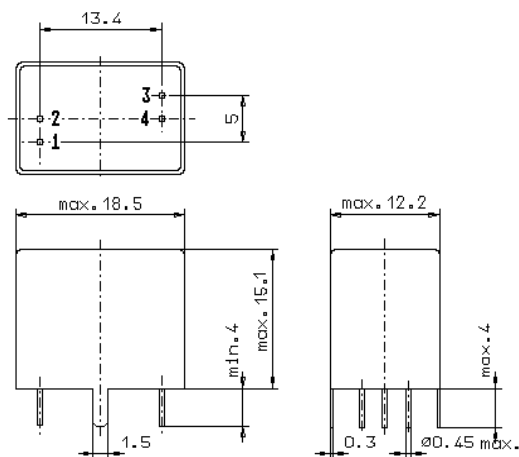


Specification for monolithic crystal filter:

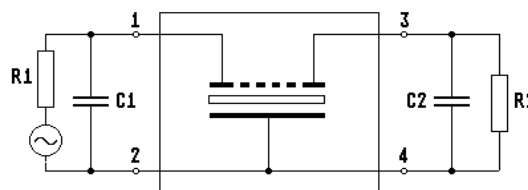
MQF 10.0 - 1600 / 04

1. General

1.1. Package:



GV5.1



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.0-1600/04 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -40°C to +70°C |
| 1.5. Storage temperature range: | -55°C to +85°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 $\pm$ 300 Hz |
| 2.2.2. Bandwidth between 6 dB - frequencies: | $\geq f_0 \pm 8.0$ kHz |
| 2.2.3. Ripple: | ≤ 1.5 dB at $f_0 \pm 6.0$ kHz |
| 2.2.4. Insertion loss: | ≤ 4.0 dB |
| (measured on smallest attenuation in pass band) | |

2.3. Stop band

- | | |
|-------------------------------|--------------|
| 2.3.1. $f_0 \pm 20$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 25$ kHz | ≥ 80 dB |
| 2.3.3. Alternate attenuation: | ≥ 90 dB |

- | | |
|--|--------------------------|
| 2.4. Terminating impedance (input and output): | 9000 Ω // -0.5 pF |
|--|--------------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 10.0-1600/04 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____