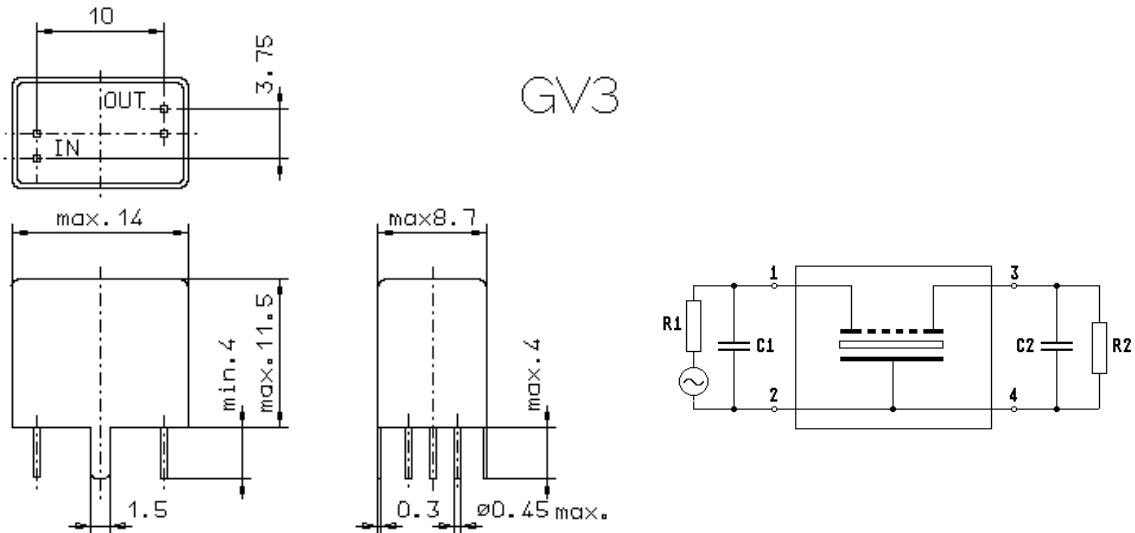


Specification for monolithic crystal filter:

MQF 21.4-4600/03

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-4600/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -55°C to +85°C |

2. Electric values

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

2.2. Pass band

- | | |
|---|-------------------------------------|
| 2.2.1. Centre frequency f_c : | 21.4 MHz \pm 650 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_c \pm 23$ kHz |
| 2.2.3. Ripple: | ≤ 2.0 dB at $f_c \pm 18.0$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|---|--------------|
| 2.3.1. $f_0 \pm 120$ kHz..... ± 300 kHz | ≥ 70 dB |
| 2.3.2. $f_0 \pm 300$ kHz..... ± 20 MHz | ≥ 80 dB |
| 2.3.3. Spurious responses: | ≥ 55 dB |

- | | |
|--|--------------------------|
| 2.4. Terminating impedance (input and output): | 2700 Ω // -0.5 pF |
|--|--------------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
21.4-4600/03 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____