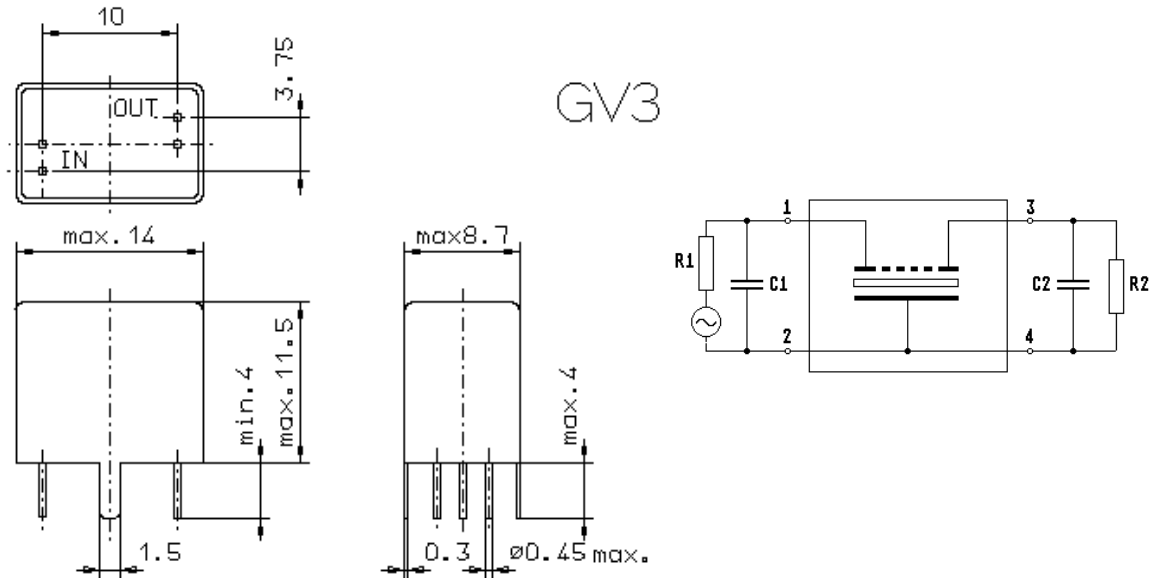


Specification for monolithic crystal filter:

MQF 21.4-1700/10

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-1700/10 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -20°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: | $\geq f_0 \pm 8.5$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_0 \pm 7$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|---|----------------------------------|
| 2.3.1. $f_0 \pm 18.5$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 25$ kHz | ≥ 70 dB |
| 2.3.3. $f_0 \pm 30$ kHz..... ± 5000 kHz | ≥ 90 dB (except spurious) |

- | | |
|--|-------------------------|
| 2.4. Terminating impedance (input and output): | $1800 \Omega // 1.0$ pF |
|--|-------------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
21.4-1700/10 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____