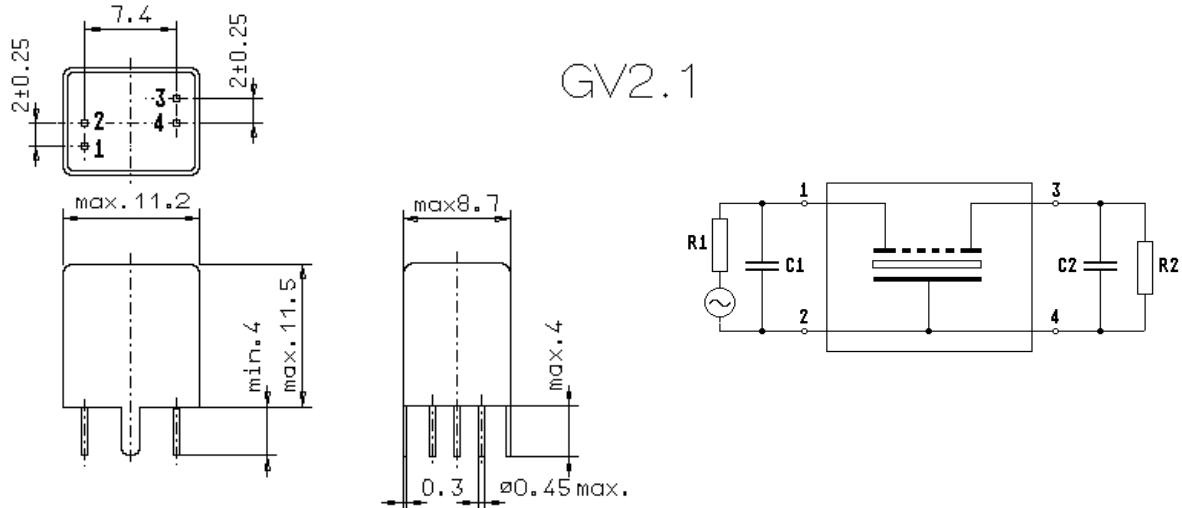


Specification for monolithic crystal filter:

MQF 21.4-0750/28

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-0750/28 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -40°C to +80°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 (at +25°C): | 21.4 MHz \pm 300 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 3.75$ kHz |
| 2.2.3. Ripple (at 25°C): | ≤ 1.0 dB at $f_0 \pm 3.0$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|--|--------------|
| 2.3.1. $f_0 \pm 8.75$ kHz | ≥ 45 dB |
| 2.3.2. $f_0 \pm 12.5$ kHz | ≥ 65 dB |
| 2.3.3. $f_0 \pm 20$ kHz..... ± 500 kHz | ≥ 80 dB |

- | | |
|---|------------------------|
| 2.4. Terminating impedance R//C (input and output): | 850 Ω // 5.0 pF |
|---|------------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
21.4-0750/28 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____