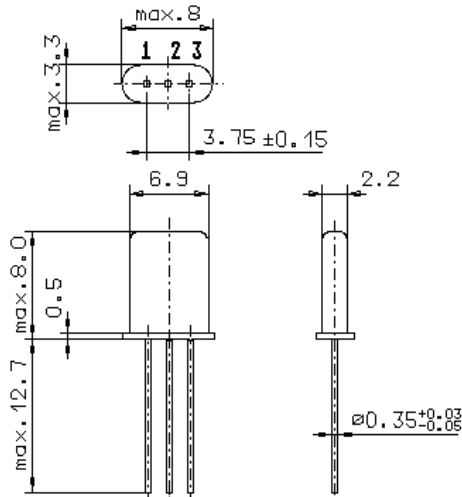


Specification for monolithic crystal filter:

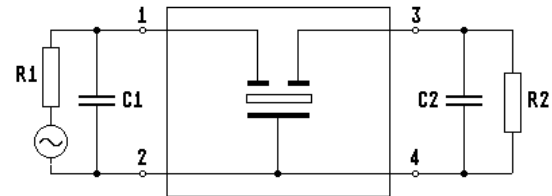
**MQF 21.4-3000/01**

1. General

1.1. Package:



GH9



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-3000/01 |
| 1.3. Number of poles:             | 2                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°C to +105°C  |

2. Electric values

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

2.2. Pass band

- |   |               |
|---|---------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | ≥ fo ± 15 kHz |
| 2.2.2. Ripple ( at fo ± 10 kHz ):   | ≤ 1.0 dB      |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 1.5 dB      |

2.3. Stop band

- |                                 |         |
|---------------------------------|---------|
| 2.3.1. fo ± 45 kHz              | ≥ 15 dB |
| 2.3.2. fo ± 75 kHz              | ≥ 20 dB |
| 2.3.3. fo + 300 kHz.....+ 1 MHz | ≥ 35 dB |
| 2.3.4. fo - 300 kHz.....- 1 MHz | ≥ 35 dB |
| 2.3.5. Spurious responses:      | ≥ 8 dB  |

- |   |                  |
|---|------------------|
| 2.4. Terminating impedance R//C ( input and output ): | 1500 Ω // 1.0 pF |
|---|------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>21.4-3000/01 |
|-------------|---|

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

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_