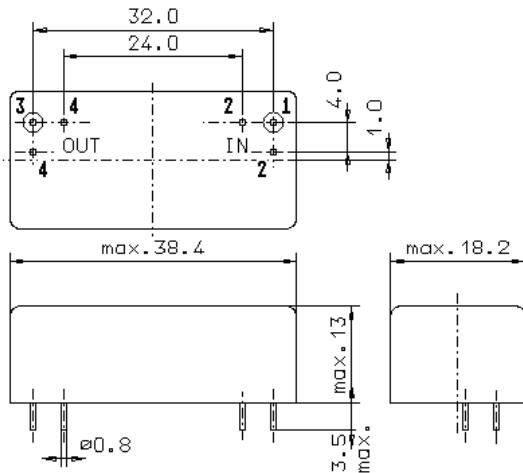


Specification for monolithic crystal filter:

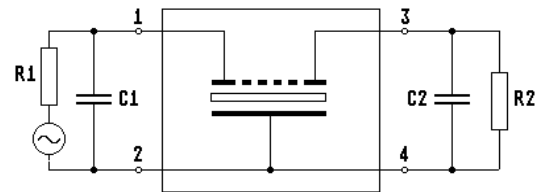
**MQF 21.4-1000/07**

1. General

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-1000/07 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -30°C to +70°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. Centre frequency fc:   | 21.4 MHz ± 600 Hz                |
| 2.2.2. Bandwidth between 3 dB - frequencies:                                | ≥ fc ± 4.9 kHz<br>≤ fc ± 5.5 kHz |
| 2.2.3. Ripple:  | ≤ 1.0 dB at fc ± 4.0 kHz         |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 4.0 dB                         |

2.3. Stop band

- |                            |         |
|----------------------------|---------|
| 2.3.1. fc ± 10 kHz         | ≥ 60 dB |
| 2.3.2. fc ± 200 kHz        | ≥ 70 dB |
| 2.3.3. Spurious responses: | ≥ 70 dB |

- |  |                     |
|--|---------------------|
| 2.4. Terminating impedance ( input and output ): | 50 Ω ± 10 % // 0 pF |
|--|---------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 21.4-1000/07<br>4002D128 |
|-------------|---|

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

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