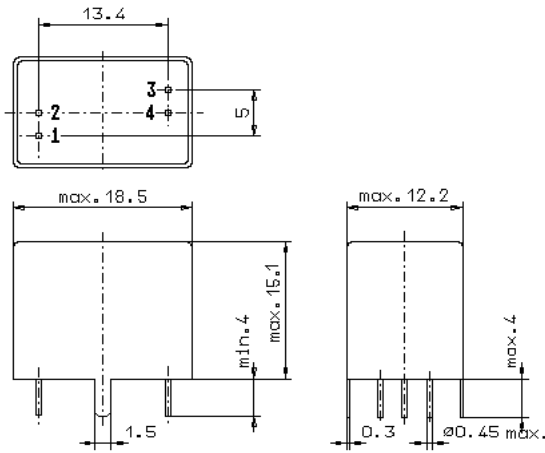


Specification for monolithic crystal filter:

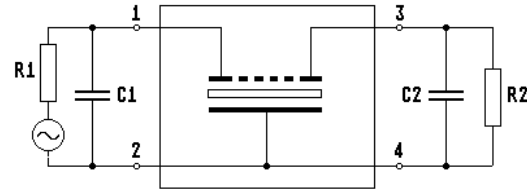
**MQF 21.4-3000/35**

**1. General**

1.1. Package:



GV5.1



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-3000/35 |
| 1.3. Number of poles:             | 10               |
| 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 fo: | 21.4 MHz |
|-----------------------------------|----------|

**2.2. Pass band**

- |   |                         |
|---|-------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | ≥ fo ± 15 kHz           |
| 2.2.2. Ripple:  | ≤ 2.0 dB at fo ± 10 kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 3.5 dB                |

**2.3. Stop band**

- |                                  |                             |
|----------------------------------|-----------------------------|
| 2.3.1. fo ± 35 kHz               | ≥ 70 dB                     |
| 2.3.2. fo ± 50 kHz               | ≥ 90 dB                     |
| 2.3.3. fo ± 50 kHz.....± 500 kHz | ≥ 90 dB ( except spurious ) |

- |  |                |
|--|----------------|
| 2.4. Terminating impedance ( input and output ): | 3300 Ω // 0 pF |
|--|----------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 21.4-3000/35 |
|-------------|---|

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

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