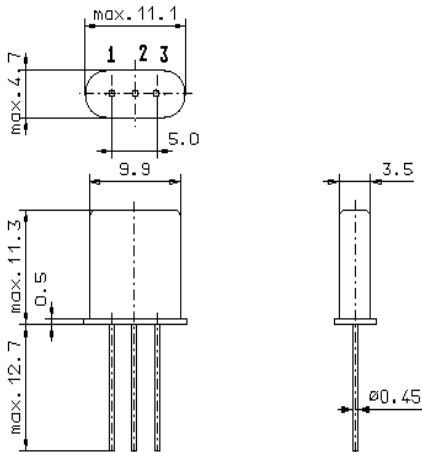


Specification for monolithic crystal filter:

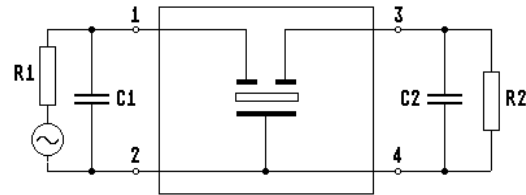
**MQF 10.7-3000/01**

**1. General**

1.1. Package:



GH3



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-3000/01 |
| 1.3. Number of poles:             | 2                |
| 1.4. Operable temperature range:  | -25°C to +80°C   |
| 1.5. Operating temperature range: | -20°C to +70°C   |
| 1.6. Storage temperature range:   | -35°C to +85°C   |

**2. Electric values**

- |                                   |          |
|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 10.7 MHz |
|-----------------------------------|----------|

**2.2. Pass band**

- |   |               |
|---|---------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:      | ≥ fo ± 15 kHz |
| 2.2.2. Ripple ( at fo ± 10 kHz ):                 | ≤ 0.5 dB      |
| 2.2.3. Insertion loss:                            | ≤ 1.5 dB      |
| ( measured on smallest attenuation in pass band ) |               |

**2.3. Stop band**

- |   |         |
|---|---------|
| 2.3.1. fo ± 50 kHz  | ≥ 15 dB |
| 2.3.2. fo + 300 kHz.....+ 1 MHz                           | ≥ 30 dB |
| 2.3.3. fo - 300 kHz.....- 1 MHz                           | ≥ 40 dB |
| 2.3.4. Spurious responses ( at fo + 50 kHz to + 300 kHz ) | > 15 dB |

- |  |                |
|--|----------------|
| 2.4. Terminating impedance ( input and output ): | 5000 Ω // 0 pF |
|--|----------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>10.7-3000/01 |
|-------------|---|

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

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