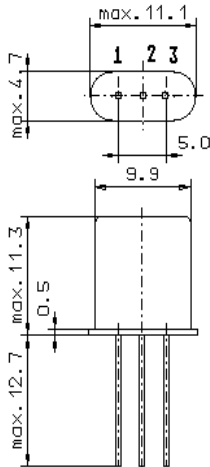


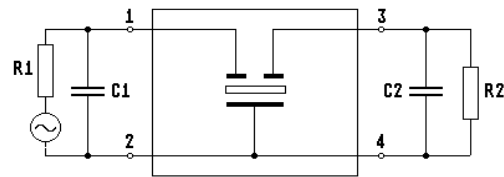
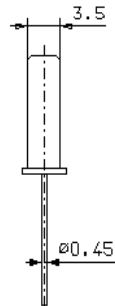
Specification for monolithic crystal filter:

**MQF 10.7-1500/21V1**
**1. General**

## 1.1. Package:



GH3



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 10.7-1500/21V1 |
| 1.3. Number of poles:             | 2                  |
| 1.4. Operating temperature range: | -40°C to +80°C     |
| 1.5. Storage temperature range:   | -55°C to +105°C    |

**2. Electric values**

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 10.7 MHz |
|---------------------------------------|----------|

**2.2. Pass band**

- |   |                        |
|---|------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.5$ kHz |
| 2.2.2. Maximum bandwidth at 3 dB:   | 18 kHz                 |
| 2.2.3. Ripple ( at $f_0 \pm 4.5$ kHz ):                                     | $\leq 1.0$ dB          |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 1.0$ dB          |

**2.3. Stop band**

- |  |              |
|--|--------------|
| 2.3.1. $f_0 \pm 25$ kHz                    | $\geq 18$ dB |
| 2.3.2. $f_0 \pm 80$ kHz..... $\pm 500$ kHz | $\geq 40$ dB |
| 2.3.3. Spurious responses:                 | $\geq 25$ dB |

- |  |   |
|--|---|
| 2.4. Terminating impedance ( input and output ): | $3000 \Omega \pm 10\% // 0 \text{ pF} \pm 1 \text{ pF}$ |
|--|---|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>10.7-1500/21V1 |
|-------------|---|

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

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