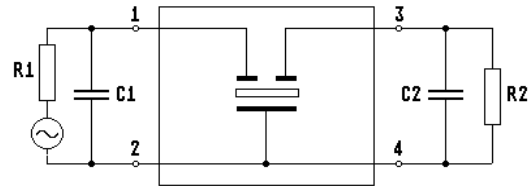
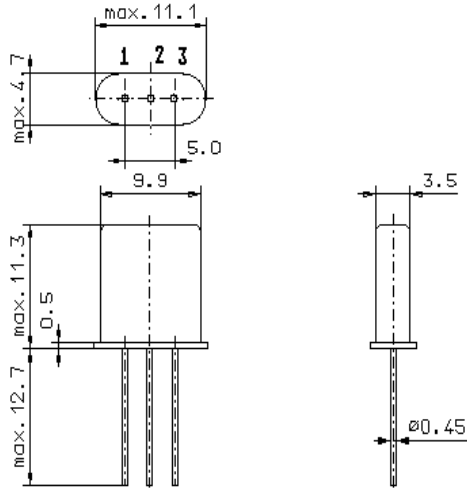


Specification for monolithic crystal filter:

**MQF 10.7-0500/06**

**1. General**

1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-0500/06 |
| 1.3. Number of poles:             | 2                |
| 1.4. Operable temperature range:  | -30°C to +80°C   |
| 1.5. Operating temperature range: | -20°C to +70°C   |
| 1.6. Storage temperature range:   | -55°C to +80°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:                                | $\geq f_0 \pm 2.5 \text{ kHz}$ |
| 2.2.2. Ripple ( at $f_0 \pm 2.0 \text{ kHz}$ ):                             | $\leq 0.5 \text{ dB}$          |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 1.5 \text{ dB}$          |

**2.3. Stop band**

- |   |                      |
|---|----------------------|
| 2.3.1. $f_0 \pm 12 \text{ kHz}$                                 | $\geq 20 \text{ dB}$ |
| 2.3.2. $f_0 + 350 \text{ kHz} \dots \dots \dots +1 \text{ MHz}$ | $\geq 35 \text{ dB}$ |
| 2.3.3. $f_0 - 350 \text{ kHz} \dots \dots \dots -1 \text{ MHz}$ | $\geq 40 \text{ dB}$ |

- |  |                               |
|--|-------------------------------|
| 2.4. Terminating impedance ( input and output ): | $900 \Omega // 12 \text{ pF}$ |
|--|-------------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>10.7-0500/06 |
|-------------|---|

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

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