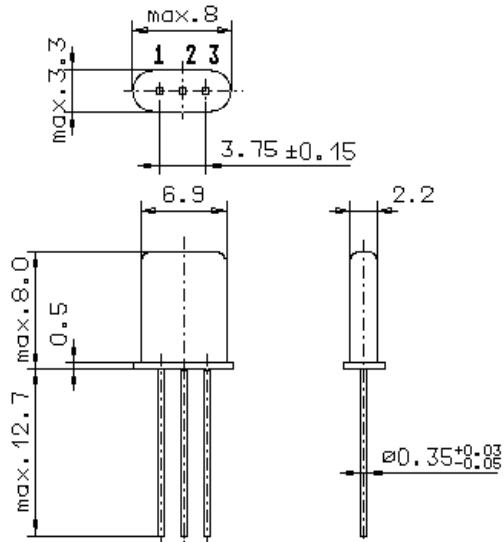


Specification for monolithic crystal filter

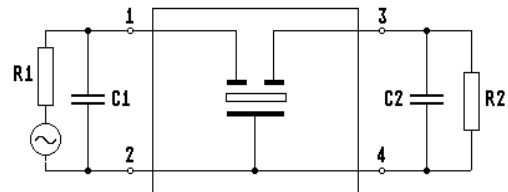
**MQF 70.0-1500/01**

1. General

1.1. Package:



GH9



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 70.0-1500/01 |
| 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:   | -30°C to +85°C   |

**2. Electric values**

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 70.0 MHz |
|---------------------------------------|----------|

**2.2. Pass band**

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.50$ kHz            |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.0$ dB                      |

**2.3. Stop band**

- |  |                          |
|--|--------------------------|
| 2.3.1. $f_0 \pm 30$ kHz                          | $\geq 20$ dB             |
| 2.3.2. Alternate except spurious                 | $\geq 40$ dB             |
| 2.4. Terminating impedance ( input and output ): | $1500 \Omega // -0.1$ pF |

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>70.0-1500/01 |
|-------------|---|

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

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