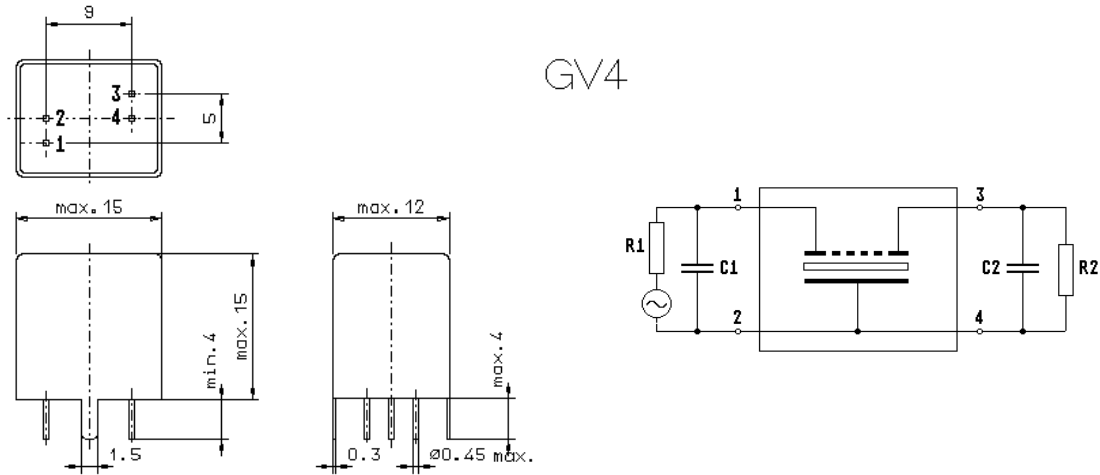


Specification for monolithic crystal filter:

**MQF 10.7-1500/22**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-1500/22 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -40°C to +80°C   |
| 1.5. Storage temperature range:   | -55°C to +85°C   |

## 2. Electric values

- |   |   |
|---|---|
| 2.1. Nominal centre frequency $f_0$ :                                       | 10.7 MHz                                    |
| 2.2. <b>Pass band</b>   |   |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.5$ kHz                      |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 6.0$ kHz          |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.0$ dB                               |
| 2.3. <b>Stop band</b>   |   |
| 2.3.1. $f_0 \pm 17.5$ kHz   | $\geq 50$ dB                                |
| 2.3.2. $f_0 \pm 25$ kHz   | $\geq 65$ dB                                |
| 2.3.3. $f_0 \pm 50$ kHz..... $\pm 500$ kHz                                  | $\geq 80$ dB ( except spurious )            |
| 2.4. Terminating impedance ( input and output ):                            | $3300 \Omega // 0.5$ pF                     |
| 2.5. Maximum input power level:   | +10 dBm / +30 dBm ( working / non-damaged ) |
| 3. Marking:   | manufacturer, date code<br>10.7-1500/22     |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001     |

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