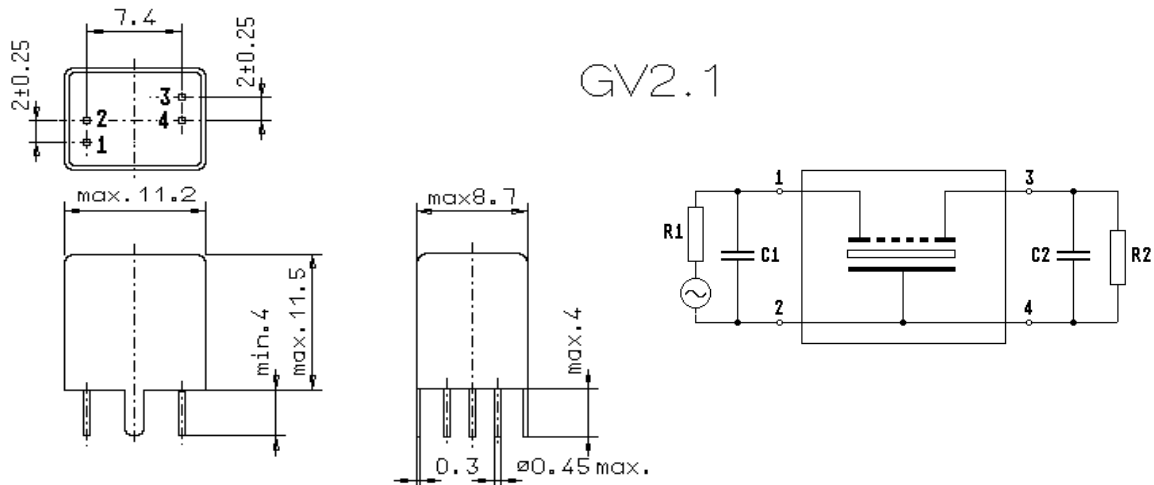


Specification for monolithic crystal filter:

**MQF 21.4-3000/14**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-3000/14 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -30°C to +70°C   |
| 1.5. Storage temperature range:   | -55°C to +80°C   |

## 2. Electric values

- |   |   |
|---|---|
| 2.1. Nominal centre frequency $f_0$ :                                       | 21.4 MHz                                |
| 2.2. <b>Pass band</b>   |   |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 15$ kHz                   |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 10.0$ 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. $f_0 \pm 35$ kHz   | $\geq 65$ dB                            |
| 2.3.2. $f_0 \pm 50$ kHz   | $\geq 80$ dB                            |
| 2.4. Terminating impedance ( input and output ):                            | $2200 \Omega // 0.5$ pF                 |
| 2.5. Maximum input power level:   |   |
| working:  | +10 dBm                                 |
| non-damaged:  | +25 dBm                                 |
| 3. Marking:   | manufacturer, date code<br>21.4-3000/14 |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001 |

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