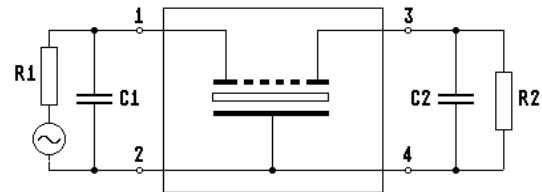
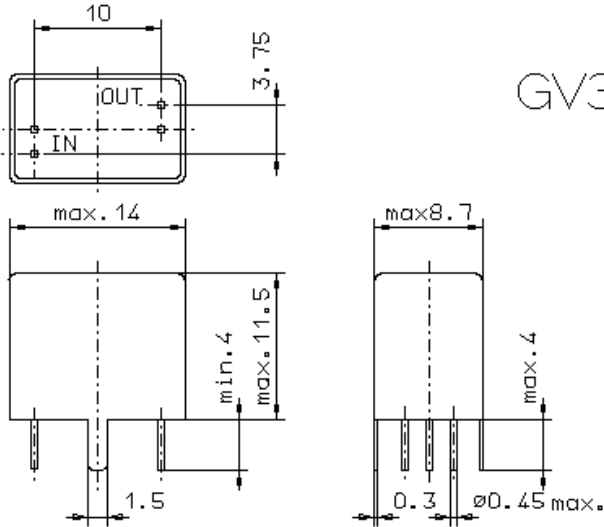


Specification for monolithic crystal filter:

**MQF 21.4-1200 / 21**

**1. General**

1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-1200/21 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operable temperature range:  | -30°C to +80°C   |
| 1.5. Operating temperature range: | -25°C to +70°C   |
| 1.6. Storage temperature range:   | -55°C to +80°C   |

**2. Electric values**

- |                                   |          |
|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 21.4 MHz |
|-----------------------------------|----------|

**2.2. Pass band**

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 6.0$ kHz             |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 4.5$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.5$ dB                      |

**2.3. Stop band**

- |  |              |
|--|--------------|
| 2.3.1. $f_0 \pm 14$ kHz                    | $\geq 65$ dB |
| 2.3.2. $f_0 \pm 20$ kHz                    | $\geq 90$ dB |
| 2.3.3. $f_0 \pm 20$ kHz..... $\pm 500$ kHz | $\geq 90$ dB |

- |  |                         |
|--|-------------------------|
| 2.4. Terminating impedance ( input and output ): | 1200 $\Omega$ // 2.5 pF |
|--|-------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>21.4-1200/21 |
|-------------|---|

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

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