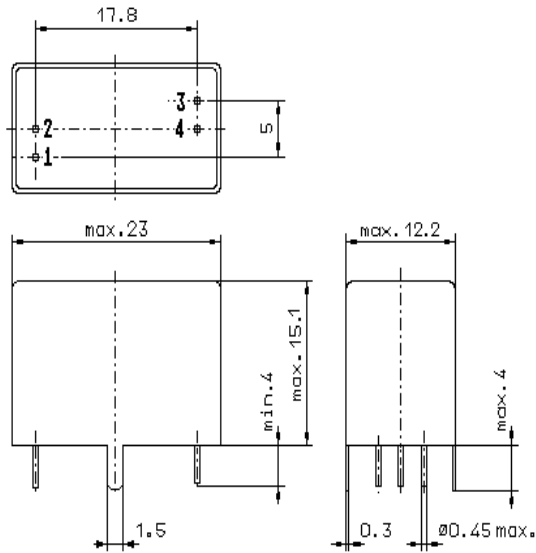


Specification for monolithic crystal filter:

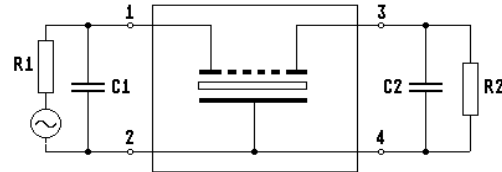
**MQF 21.4-1500/52**

## 1. General

### 1.1. Package:



GV6.2



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-1500/52 |
| 1.3. Number of poles:             | 10               |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -35°C to +85°C   |

## 2. Electric values

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 21.4 MHz |
|---------------------------------------|----------|

### 2.2. Pass band

- |   |                                    |
|---|------------------------------------|
| 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 ) | $\leq 4.0$ dB                      |

### 2.3. Stop band

- |  |                                  |
|--|----------------------------------|
| 2.3.1. $f_0 \pm 15$ kHz                    | $\geq 70$ dB                     |
| 2.3.2. $f_0 \pm 20$ kHz..... $\pm 500$ kHz | $\geq 80$ dB ( except spurious ) |

- |  |                     |
|--|---------------------|
| 2.4. Terminating impedance ( input and output ): | 50 $\Omega$ // 0 pF |
|--|---------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 21.4-1500/52 |
|-------------|---|

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

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