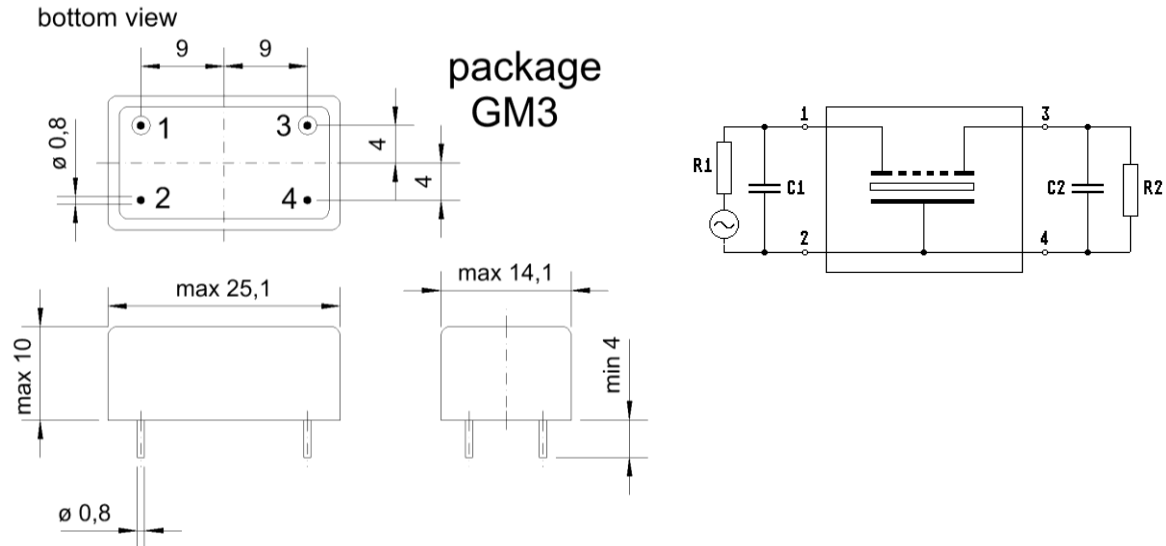


Specification for monolithic crystal filter:

**MQF 45.0-1500/59**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 45.0-1500/59 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -35°C to +80°C   |

## 2. Electric values

- |   |   |
|---|---|
| 2.1. Nominal centre frequency $f_0$ :                                       | 45.0 MHz                                    |
| 2.2. <b>Pass band</b>   |   |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $> f_0 \pm 7.5$ kHz                         |
| 2.2.2. Ripple:  | $< 1.5$ dB at $f_0 \pm 5.0$ kHz             |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 4.0$ dB                                  |
| 2.3. <b>Stop band</b>   |   |
| 2.3.1. $f_0 \pm 23$ kHz   | $> 25$ dB                                   |
| 2.3.2. Alternate Attenuation:   | $> 70$ dB                                   |
| 2.4. Terminating impedance R//C (input and output):                         | $50 \Omega // 0$ pF                         |
| 3. Marking:   | manufacturer, date code<br>MQF 45.0-1500/59 |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001     |

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