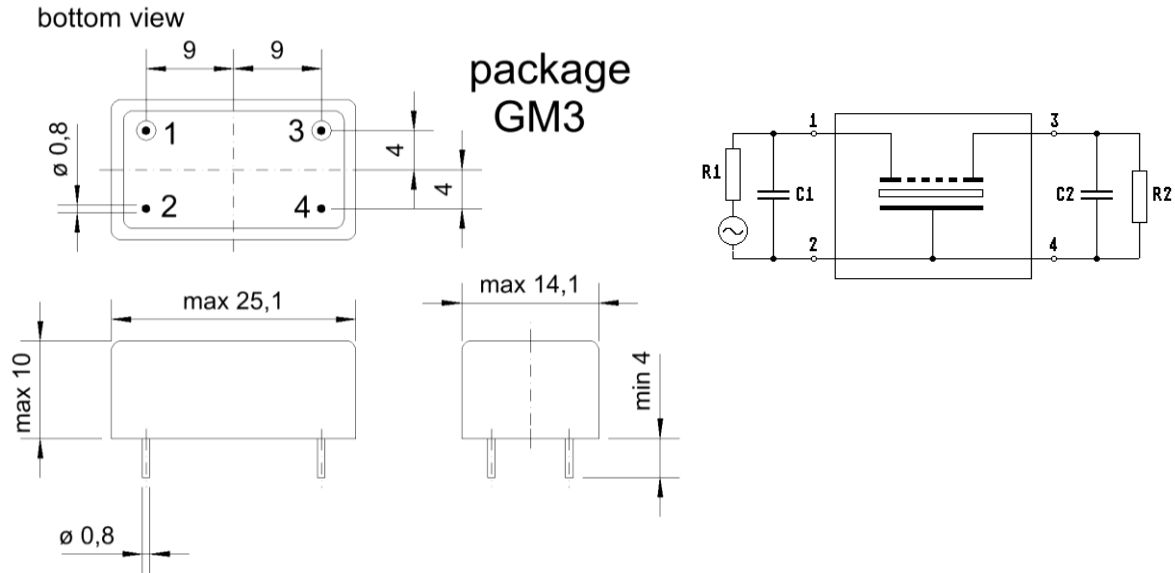


Specification for monolithic crystal filter:

**MQF 21.4-2400/10**

**1. General**

1.1. Package:



- 1.2. Type name: MQF 21.4-2400/10
- 1.3. Number of poles: 10
- 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 fo: 21.4 MHz

**2.2. Pass band**

- 2.2.1. Bandwidth between 3 dB - frequencies:  $\geq f_0 \pm 12 \text{ kHz}$
- 2.2.2. Ripple:  $\leq 2.0 \text{ dB at } f_0 \pm 8 \text{ kHz}$
- 2.2.3. Insertion loss:  $\leq 3.5 \text{ dB}$   
( measured on smallest attenuation in pass band )

**2.3. Stop band**

- 2.3.1.  $f_0 \pm 20 \text{ kHz}$   $\geq 50 \text{ dB}$
- 2.3.2.  $f_0 \pm 30 \text{ kHz} \dots \dots \dots \pm 300 \text{ kHz}$   $\geq 80 \text{ dB}$

- 2.4. Terminating impedance ( input and output ):  $470 \Omega // 15 \text{ pF}$

- 3. Marking: manufacturer, date code  
MQF 21.4-2400/10

- 4. Environment conditions: Corresponding to Vectron standard CF001

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