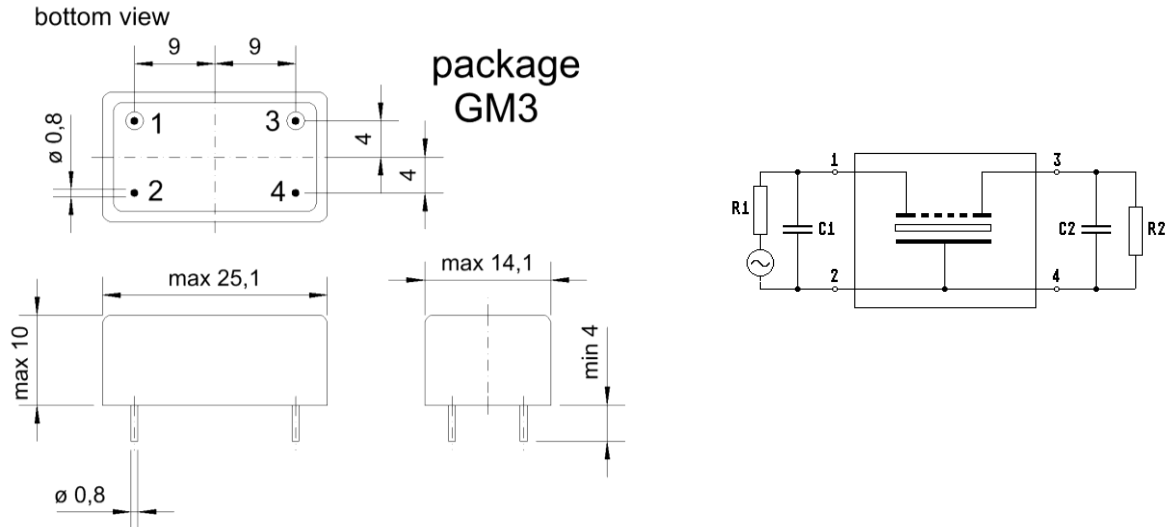


Specification for monolithic crystal filter:

MQF 40.7 - 5000 / 02

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 40.7-5000/02 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency f_0 : | 40.7 MHz |
| 2.2. Pass band | |
| 2.2.1. Centre frequency f_c : | 40.7 MHz \pm 1.5 kHz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $> f_0 \pm 25$ kHz |
| 2.2.3. Ripple: | < 1.0 dB peak to peak |
| 2.2.4. Insertion loss: | < 3.0 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 190$ kHz | > 60 dB (except spurious) |
| 2.3.2. Alternate attenuation | > 80 dB (except spurious) |
| 2.4. Maximum input power level: | 0 / +15 (working / non-damaged) |
| 2.5. Terminating impedance R/C (input and output): | 50 Ω // 0 pF |
| 2.6. Inband Intermodulation IP3 (with test tones frequency at $f_0 \pm 1$ kHz and input power of 0 dBm | $> +33$ dBm (> 66 dB down referred to the two 0 dBm test tones at filter input) |
| 3. Marking: | manufacturer, date code
MQF 40.7-5000/02 kHz
OEM marking on demand |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |