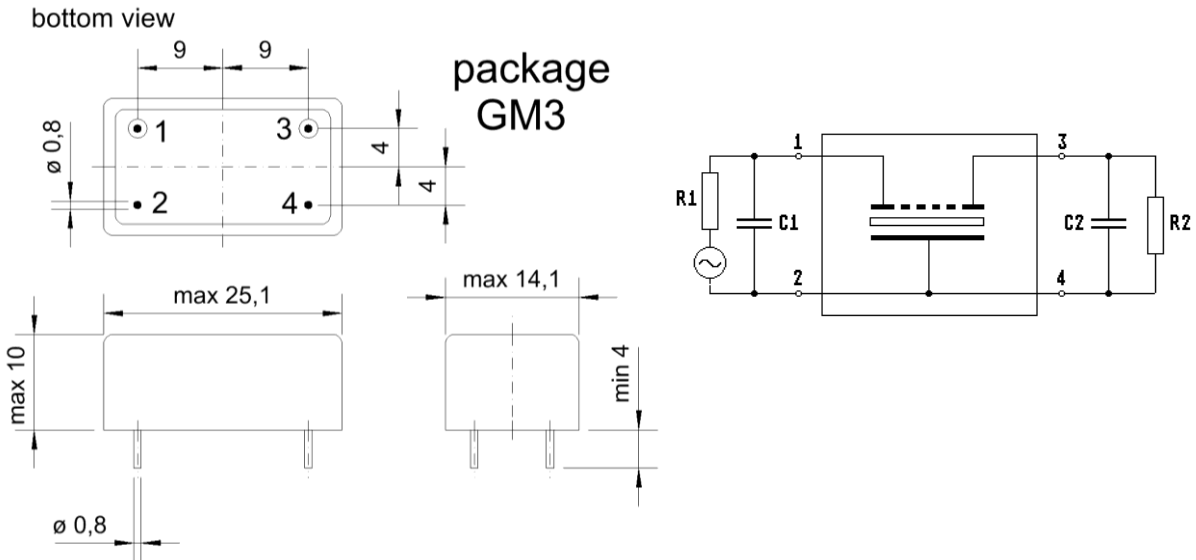


Specification for monolithic crystal filter:

MQF 21.4-3000/46

1. General

1.1. Package (soldered hermetic sealed):



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-3000/46 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -45°C to +90°C |

2. Electric values

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

2.2. Pass band

- | | |
|---|-----------------------------------|
| 2.2.1. Bandwidth (B_{3dB}) between 3 dB - frequencies: | $B_{3dB} \geq f_0 \pm 15$ kHz |
| 2.2.2. Range of Bandwidth at 6 dB (B_{6dB}): | 31 kHz < B_{6dB} < 38 kHz |
| 2.2.3. Ripple: | ≤ 2.0 dB at $f_0 \pm 10$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 4.0 dB |

2.3. Stop band

- | | |
|------------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 35$ kHz | ≥ 65 dB |
| 2.3.2. $f_0 \pm 50$ kHz | ≥ 80 dB |
| 2.3.3. Alternate attenuation | ≥ 80 dB (except spurious) |

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

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 21.4-3000/46 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____