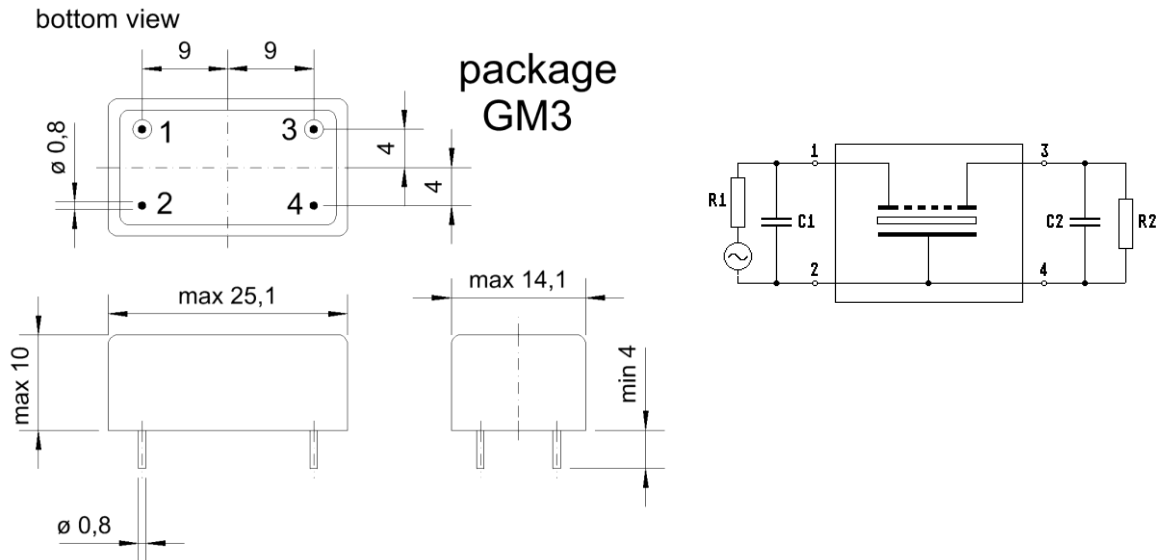


Specification for monolithic crystal filter:

MQF 40.5-3000/03

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 40.5-3000/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -40°C to +70°C |
| 1.5. Storage temperature range: | -55°C to +80°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 40.5 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|-----------------------------------|
| 2.2.1. Bandwidth between 6 dB - frequencies: | $\geq f_0 \pm 15$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_0 \pm 10$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 4.0 dB |

2.3. Stop band

- | | |
|------------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 50$ kHz | ≥ 60 dB |
| 2.3.2. Alternate attenuation | ≥ 80 dB (except spurious) |
| 2.3.3. Spurious responses: | ≥ 40 dB |

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

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 40.5-3000/03 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____