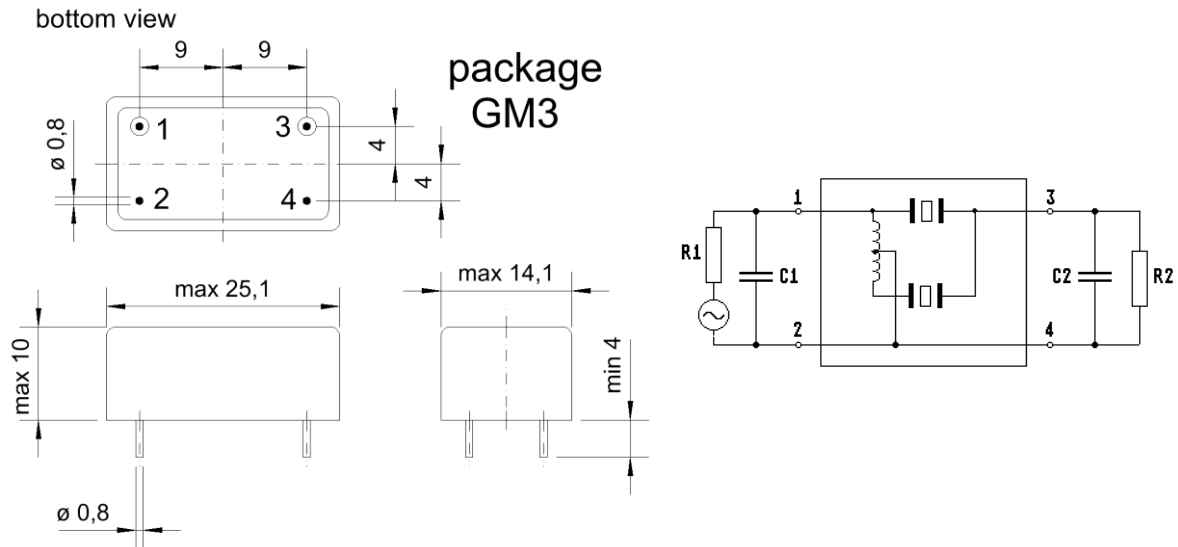


Specification for crystal filter:

QF 21.4-10000/12

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | QF 21.4-10000/12 |
| 1.3. Number of poles: | 2 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +105°C |

2. Electric values

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

2.2. Pass band

- | | |
|---|--------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $> f_0 \pm 50$ kHz |
| 2.2.2. Ripple: | < 1.0 dB at $f_0 \pm 35$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 4.0 dB |

2.3. Stop band

- | | |
|-------------------------------|-------------------------------|
| 2.3.1. $f_0 - 370$ kHz | > 30 dB |
| 2.3.2. $f_0 + 350$ kHz | > 30 dB (except spurious) |
| 2.3.3. Alternate attenuation: | > 40 dB (except spurious) |

- | | |
|--|-------------------------------------|
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
| 2.5. Maximum input power level: | +10 / +20 (working / non-damaged) |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
QF 21.4-10000/12 |
|-------------|---|

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