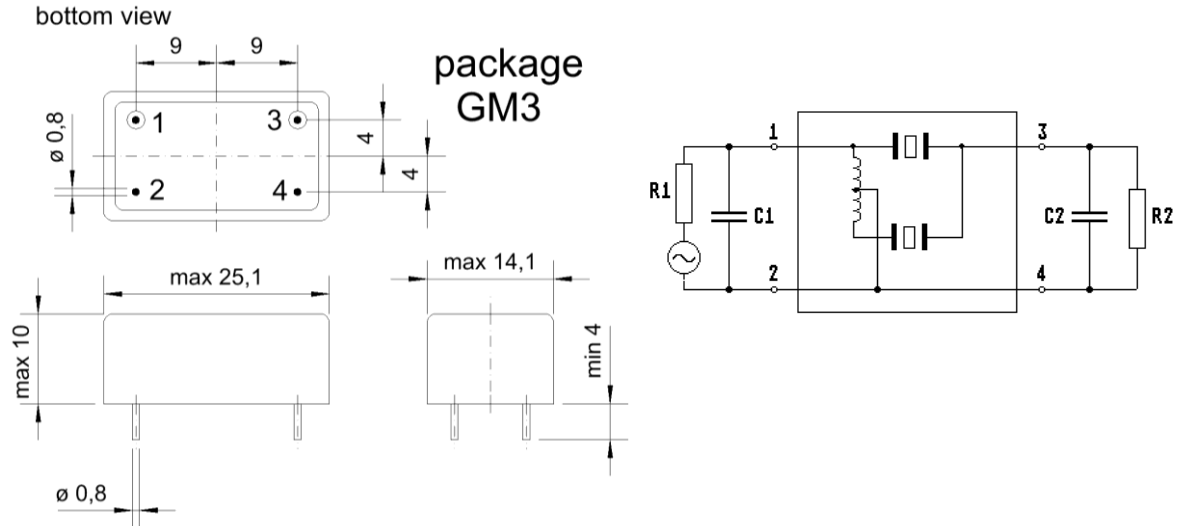


1. General

1.1. Package:



- | | |
|-----------------------------------|-----------------|
| 1.2. Type name: | QF 70.0-4000/07 |
| 1.3. Number of poles: | 2 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 70.0 MHz |
|-----------------------------------|----------|

2.2. Pass band

- | | |
|---|-------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 20$ kHz |
| 2.2.2. Ripple: | Gaussian |
| 2.2.3. Group delay at fo: | $9 \mu s \pm 1.5 \mu s$ |
| 2.3.4. Group delay distortion in the range $f_0 \pm 20$ kHz | |
| at 20°C: | $< 1 \mu s$ |
| in operating temperature range: | $< 2 \mu s$ |
| 2.2.5. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 7 dB |

2.3. Stop band

- | | |
|--|----------------------------------|
| 2.3.1. $f_0 \pm 200$ kHz | ≥ 30 dB (except spurious) |
| 2.3.2. Alternate attenuation: | ≥ 40 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |

- | | |
|-------------|--|
| 3. Marking: | manufacturer, date code
QF 70.0-4000/07 |
|-------------|--|

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