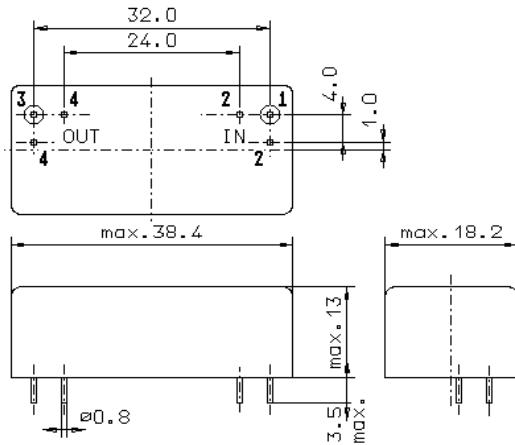


Specification for crystal filter

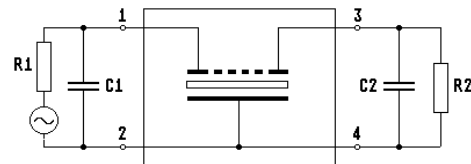
QF 70.0-9000/06

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|-----------------|
| 1.2. Type name: | QF 70.0-9000/06 |
| 1.3. Number of poles: | 6 |
| 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 fo: | 70.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | ≥ fo ± 45 kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at fo ± 30.0 kHz |
| 2.2.3. Differential group delay: | ≤ 3.0 μs at fo ± 22.5 kHz
≤ 25.0 μs at fo ± 45.0 kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 6.0 dB |
| 2.3. Stop band | |
| 2.3.1. fo ± 90 kHz | ≥ 40 dB |
| 2.3.2. fo ± 150 kHz | ≥ 50 dB |
| 2.3.3. Alternate attenuation | ≥ 70 dB (except spurious) |
| 2.3.4. Spurious responses | ≥ 50 |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level without damage | +10 dBm |
| 3. Marking: | manufacturer, date code
QF 70.0-9000/06 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |