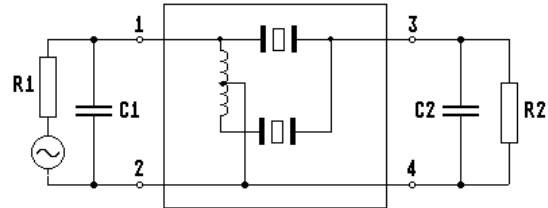
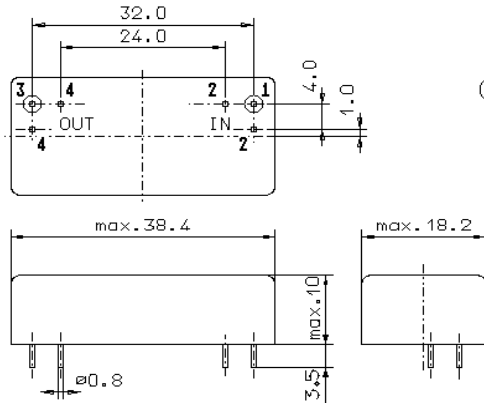


Specification for crystal filter:

QF 70.0-4000/09

1. General

1.1. Package:



- | | |
|-----------------------------------|-----------------|
| 1.2. Type name: | QF 70.0-4000/09 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -40°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:
at -20°C to +70°C | ≥ fo ± 18.5 kHz
≥ fo ± 20.0 kHz |
| 2.2.2. Group delay distortion in the range:
at -20°C to +70°C | ≤ 3.0 μs at fo ± 18.5 kHz
≤ 2.5 μs at fo ± 20.0 kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 5 dB |
| 2.3. Stop band | |
| 2.3.1. fo ± 100 kHz
fo ± 95 kHz at -20°C to +70°C | ≥ 40 dB
≥ 40 dB |
| 2.3.2. Alternate attenuation: | ≥ 50 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 3. Marking: | manufacturer, date code
QF 70.0-4000/09 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____