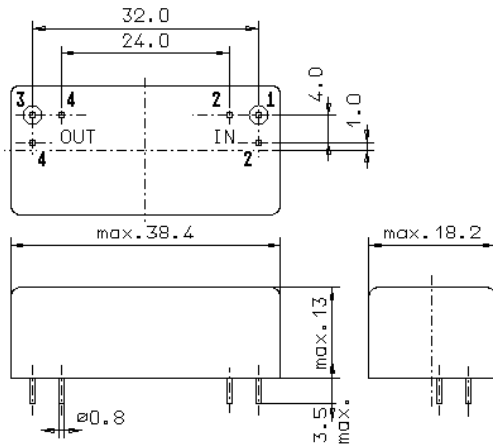


Specification for crystal filter:

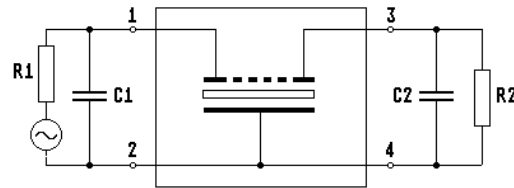
QF 5.0-0040/04

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|----------------|
| 1.2. Type name: | QF 5.0-0040/04 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency f_0 : | 5.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Centre frequency f_c (at +25°C): | 5.0 MHz \pm 60 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $> f_c \pm 0.2$ kHz |
| 2.2.3. Ripple in pass band: | < 0.5 dB (Gaussian curve shape) |
| 2.2.4. Differential group delay within $f_c \pm 0.2$ kHz: | < 400 μ s |
| 2.2.5. Insertion loss:
(measured on smallest attenuation in pass band) | < 6.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_c + 1.2$ kHz / $f_c - 1.5$ kHz: | > 40 dB |
| 2.3.2. $f_c + 1.8$ kHz / $f_c - 2.7$ kHz: | > 60 dB |
| 2.3.3. $f_c - 4.0$ kHz: | > 70 dB |
| 2.3.4. $f_c + 2.8$ kHz: | > 80 dB |
| 2.3.5. Guaranteed attenuation ($f_c \pm 910$ kHz): | > 80 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | +10 dBm / +15 dBm (working / non-damaged) |
| 3. Marking: | manufacturer, date code
QF 5.0-0040/04 |
| 4. Environment conditions: | Corresponding to Vectron MIL standard |

Edited by: _____ date: _____ name: _____