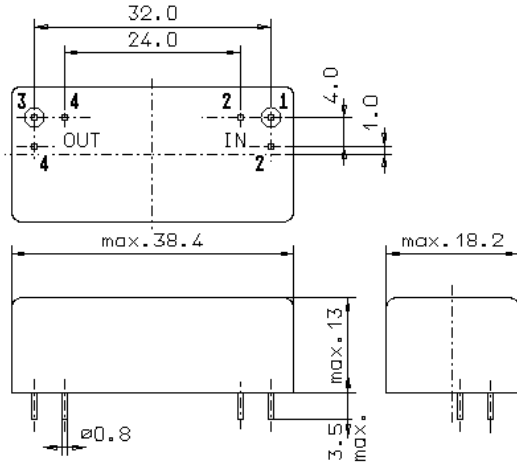


Specification for crystal filter:

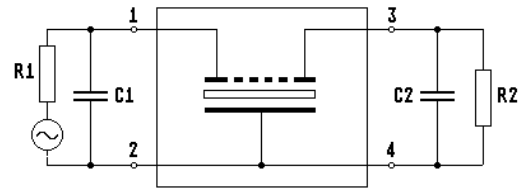
**QF 5.0-0600/04**

## 1. General

### 1.1. Package:



GM17



- |                                   |                |
|-----------------------------------|----------------|
| 1.2. Type name:                   | QF 5.0-0600/04 |
| 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 fo:   | 5.0 MHz                                     |
| 2.2. <b>Pass band</b>   |   |
| 2.2.1. Centre frequency fc ( at +25°C ):                                    | 5.0 MHz ± 90 Hz                             |
| 2.3.2. Bandwidth between 3 dB - frequencies:                                | > fc ± 3.0 kHz                              |
| 2.2.3. Ripple in pass band:   | < 0.5 dB ( peak to peak )                   |
| 2.2.4. Differential group delay within fc ± 3.0 kHz:                        | < 100 µs                                    |
| 2.2.5. Insertion loss:<br>( measured on smallest attenuation in pass band ) | < 3.5 dB                                    |
| 2.3. <b>Stop band</b>   |   |
| 2.3.1. fc ± 14 kHz:   | > 40 dB                                     |
| 2.3.2. fc ± 23 kHz:   | > 60 dB                                     |
| 2.3.3. fc +40 kHz / fc -42 kHz:   | > 80 dB                                     |
| 2.3.4. Guaranteed attenuation ( fc ± 910 kHz ):                             | > 80 dB ( except spurious )                 |
| 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<br>QF 5.0-0600/04   |
| 4. Environment conditions:  | Corresponding to Vectron MIL standard       |

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_