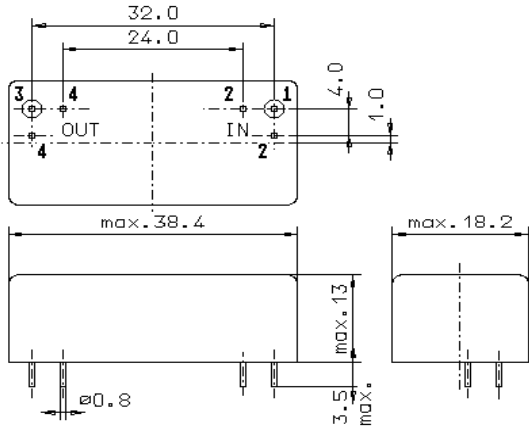


Specification for monolithic crystal filter:

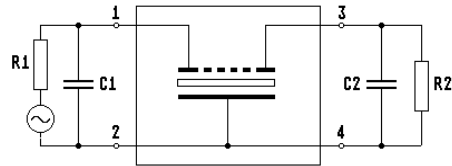
QF 10.7003-0050/03

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | QF 10.7003-0050/03 |
| 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: | 10.7003 MHz |
| 2.2. Pass band | |
| 2.2.1. Centre frequency fc at +25°C: | 10.7003 MHz ± 100 Hz |
| 2.2.2. Bandwidth between 3-dB - frequencies: | > fc ± 250 Hz |
| 2.2.3. Maximum 3-dB bandwidth: | 650 Hz |
| 2.2.4. Ripple in pass band: | < 1.0 dB (peak to peak) |
| 2.2.5. Insertion loss: | < 3.5 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. fc ± 5.0 kHz | > 60 dB |
| 2.3.2. Alternate attenuation | > 80 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | +10 / +20 (working / non-damaged) |
| 2.6. Intermodulation: | |
| frequency 1: | 10.6993 MHz |
| frequency 2: | 10.7013 MHz |
| input power level at pin 1 (input): | 0 dBm |
| IM (IP3 > +33 dBm): | > 66 dB (referred to input power level) |
| 3. Marking: | manufacturer, date code
QF 10.7003-0050/03
OEM marking on demand |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____