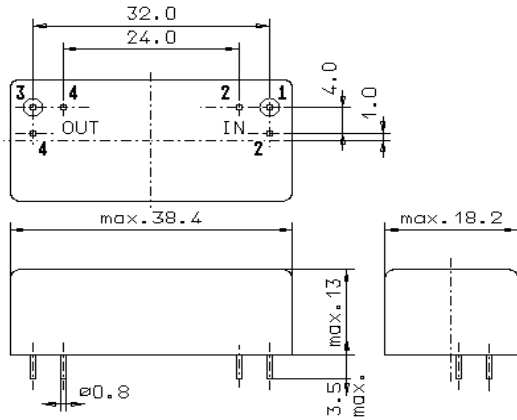


Specification for monolithic crystal filter:

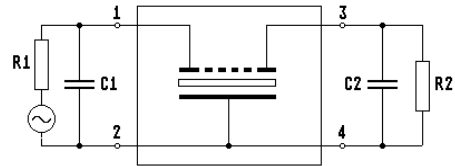
QF 10.6966-0050/03

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | QF 10.6966-0050/03 |
| 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: | 10.6966 MHz |
|-----------------------------------|-------------|

2.2. Pass band

- | | |
|---------------------------------------------------|---------------------------|
| 2.2.1. Centre frequency fc at +25°C: | 10.6966 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 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: | 10.6956 MHz |
| frequency 2: | 10.6976 MHz |
| input power level at pin 1(input): | 0 dBm |
| IM (IP3 > +33 dBm): | > 66 dB (referred to input power level) |

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|-------------|--------------------------------------------------------|
| 3. Marking: | QF 10.6966-0050/03, date code
OEM marking on demand |
|-------------|--------------------------------------------------------|

- | | |
|----------------------------|-----------------------------------------|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
|----------------------------|-----------------------------------------|

Edited by: _____ date: _____ name: _____