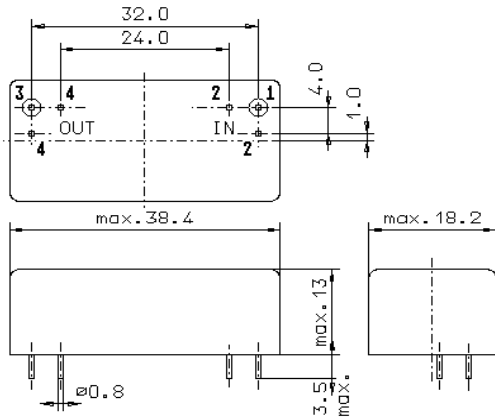


Specification for monolithic crystal filter

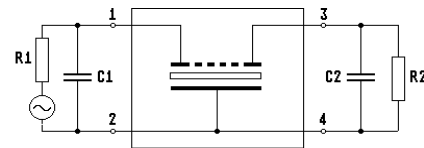
MQF 70.7-0300/03

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 70.7-0300/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | +20°C to +60°C |
| 1.5. Storage temperature range: | -20°C to +70°C |

2. Electric values

- | | |
|---|--|
| 2.1. Nominal centre frequency fo: | 70.7 MHz |
| 2.2. Pass band | |
| 2.2.1 Centre frequency fc: | 70.7 MHz ± 1500 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | 2.55 kHz ± 150 Hz at +25°C |
| 2.2.3. Ripple: | < 2.0 dB at fc ± 0.6 kHz |
| 2.2.4. Insertion loss: | < 11.5 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. fc ± 7.5 kHz | > 60 dB |
| 2.3.2. Alternate attenuation | > 60 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Nominal Input power level | 0 dBm |
| 2.5.1. Maximum Input power level | + 10 dBm |
| 2.6. In band Intermodulation test tones: | 3rd order intermodulation products: |
| fo +1 kHz / -1 kHz | IM at 70.703 MHz / 70.697 MHz > 50 dB |
| fo +4 kHz / +2 kHz | IM at 70.700 MHz > 50 dB |
| fo -4 kHz / -2 kHz | IM at 70.700 MHz > 50 dB |
| Input power level | -10 dBm |
| 3. Marking: | MQF 70.7-0300/03, date code
OEM marking on demand |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |