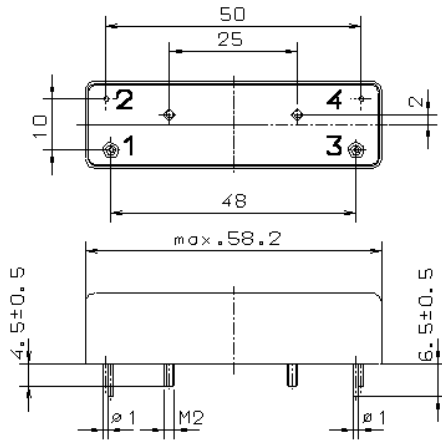


Specification for monolithic crystal filter

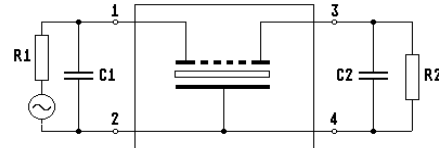
MQF 70.0-1400/03

1. General

1.1. Package:



GM 7.1



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 70.0-1400/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -40°C to +80°C |
| 1.5. Storage temperature range: | -55°C to +90°C |

2. Electric values

- | | |
|---|--|
| 2.1. Nominal centre frequency fo: | 70.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | > fo ± 7.0 kHz at +25°C |
| 2.2.2. Ripple: | < 2.0 dB at fo ± 6.5 kHz at +25°C |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 6.0 dB |
| 2.3. Stop band | |
| 2.3.1. fo ± 10 kHz | > 6 dB at +25°C |
| 2.3.2. fo ± 20 kHz | > 40 dB |
| 2.3.3. fo ± 40 kHz | > 80 dB |
| 2.3.4. Alternate attenuation: | > 80 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 75Ω // 0 pF |
| 2.5. Intermodulation | |
| frequency 1: | f ₀ ± 20 kHz |
| frequency 2: | f ₀ ± 40 kHz |
| input power level: | -10 dBm |
| IM: | > 70 dB |
| 2.6. Maximum input power level: | -10 dBm / 0 dBm (operating / without damage) |
| 3. Marking: | manufacturer, date code
MQF 70.0-1400/03 |
| 4. Environment conditions: | Corresponding to Vectron standard CF010 |