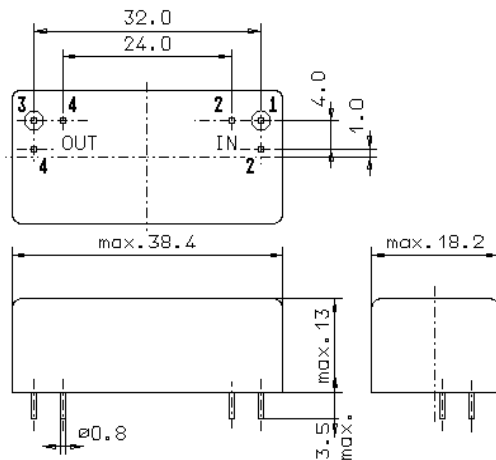


Specification for monolithic crystal filter:

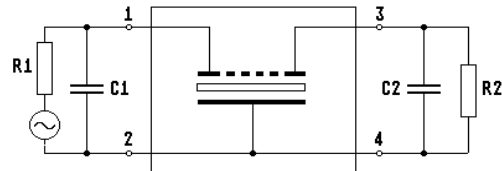
MQF 10.7018-0300/03

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|---------------------|
| 1.2. Type name: | MQF 10.7018-0300/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|-----------------------------------|-------------|
| 2.1. Nominal centre frequency fo: | 10.7018 MHz |
|-----------------------------------|-------------|

2.2. Pass band

- | | |
|-----------------------------------------------------------------------------|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_o \pm 1.3$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_o \pm 1.1$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|--------------------------------------------------|-----------------------------------------|
| 2.3.1. $f_o \pm 5.0$ kHz | ≥ 60 dB |
| 2.3.2. Alternate attenuation: | ≥ 85 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
| 2.5. Maximum input power level: | +10 / +20 (working / non-damaged) |
| 2.6. Intermodulation: | |
| frequency 1: | 10.7028 MHz |
| frequency 2: | 10.7008 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
MQF 10.7018-0300/03
OEM marking on demand |
|-------------|-------------------------------------------------------------------------|

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

Edited by: _____ date: _____ name: _____