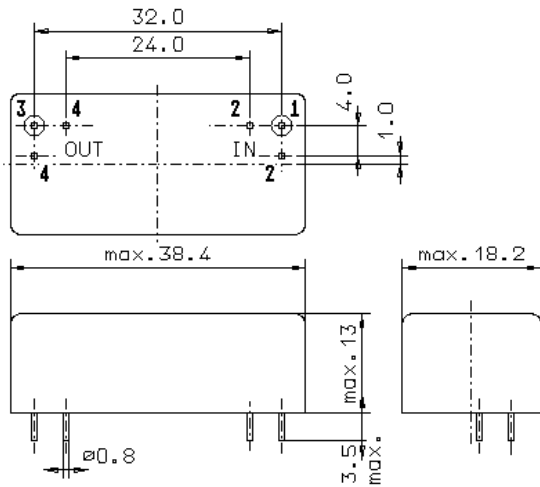


Specification for crystal filter:

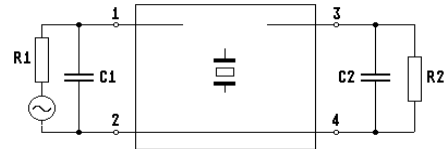
QF 20.0-0050/06

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|-----------------|
| 1.2. Type name: | QF 20.0-0050/06 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -25°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 20.0 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|--|--------------------------------|
| 2.2.1. Centre frequency f_c at +25°C: | 20.0 MHz \pm 150 Hz |
| 2.2.2. Bandwidth between 6 dB - frequencies: | $> f_c \pm 250$ Hz |
| 2.2.3. Ripple in pass band: | < 2.0 dB at $f_c \pm 150$ Hz |
| 2.2.4. Insertion loss: | < 15 dB |
- (measured on smallest attenuation in pass band)

2.3. Stop band

- | | |
|--|---------------------|
| 2.3.1. $f_c \pm 1.3$ kHz | > 60 dB |
| 2.3.2. Alternate attenuation: | > 80 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | +10 dBm |

- | | |
|-------------|--|
| 3. Marking: | manufacturer, date code
QF 20.0-0050/06 |
|-------------|--|

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

Edited by: _____ date: _____ name: _____