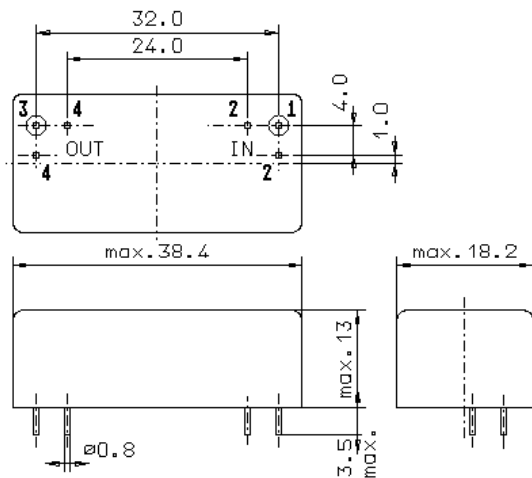


Specification for crystal filter:

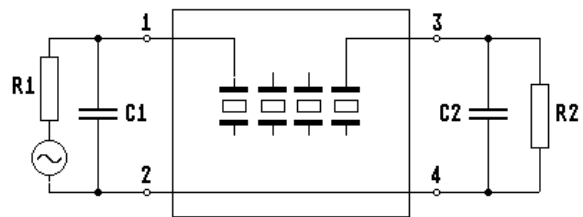
QF 45.0 - 0300 / 06

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|-----------------|
| 1.2. Type name: | QF 45.0-0300/06 |
| 1.3. Number of poles: | 5 |
| 1.4. Operating temperature range: | -20°C to +80°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 45.0 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|-------------------------|
| 2.2.1. Centre frequency f_c at +25°C: | 45.0 MHz $\pm$ 400 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $> f_c \pm 1.5$ kHz |
| 2.2.3. Ripple: | < 2.0 dB peak to peak |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 9.0 dB |

2.3. Stop band

- | | |
|---|---------------------|
| 2.3.1. $f_c + 10$ kHz, $f_c - 11$ kHz | > 60 dB |
| 2.3.2. $f_c + 15$ kHz, $f_c - 16$ kHz | > 80 dB |
| 2.3.3. Spurious responses at $f_c + 15$ kHz.....+500 kHz: | ≥ 60 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Input power level (working / non-damaged): | < 0 dBm / +15 dBm |

- | | |
|-------------|--|
| 3. Marking: | manufacturer, date code
QF 45.0-0300/06 |
|-------------|--|

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

Edited by: _____ date: _____ name: _____