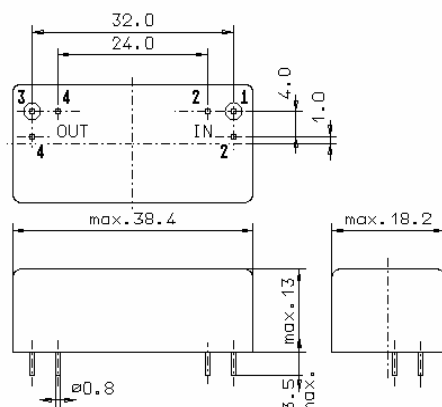


Specification for crystal filter

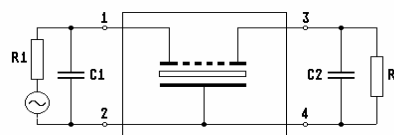
QF 70.0-20000/05

1. General

1.1. Case:



GM17



- | | |
|---|---------------------|
| 1.2. Type name: | QF 70.0-20000/05 |
| 1.3. Number of poles: | 4, fundamental mode |
| 1.4. Operating temperature range (OTR): | -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 : | 70.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 6 dB - frequencies: | $> f_0 \pm 95$ kHz |
| 2.2.2. Ripple: | Gaussian |
| 2.2.3. Group delay in OTR: | < 1.0 μ s at $f_0 \pm 75$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | < 8 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 500$ kHz | > 40 dB |
| 2.3.2. $f_0 \pm 800$ kHz | > 60 dB |
| 2.3.3. $f_0 \pm 2000$ kHz | > 75 dB |
| 2.3.4. Spurious responses: | permitted at frequencies $> f_0 + 800$ kHz |
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
| 2.5. Maximum input power level without damage | -5 dBm (+10 dBm without destruction) |
| 3. Marking on the case: | manufacturer, date code
QF 70.0-20000/05 |
| 4. Environment conditions: | Corresponding to Telefilter CF001 |

Edited by: _____ date: _____ name: _____