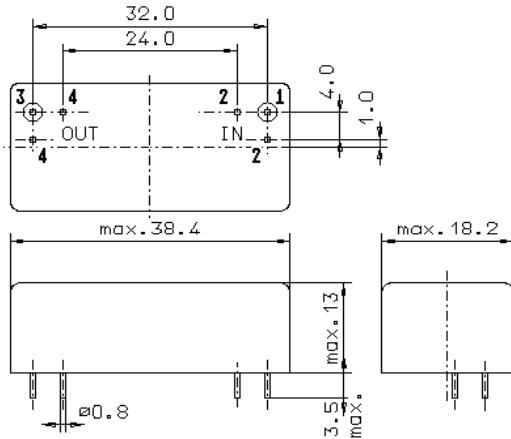


Specification for monolithic crystal filter:

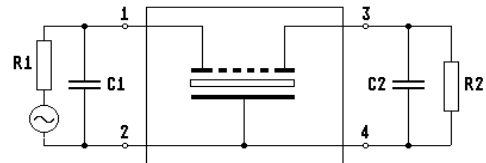
MQF 10.0-1500/06

1. General

1.1. Package:



GM17



- | | |
|---|------------------|
| 1.2. Type name: | MQF 10.0-1500/06 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range (OTR): | -20°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency fo: | 10.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | > fo ± 7.5 kHz |
| 2.2.2. Ripple at fo ± 4.0 kHz: | < 1.0 dB (peak to peak) |
| 2.2.3. Differential group delay fo ± 4.0 kHz / fo ± 2.0 kHz: | < 12 µs / < 3.0 µs |
| 2.2.4. Group delay asymmetry between lower and upper group delay range referred to fo (lower: fo - 4 kHz ≤ f ≤ fo , upper: fo ≤ f ≤ fo + 4 kHz): | < 2.0 dB typical at +25°C and < 3.0 dB typical in OTR |
| 2.2.5. Insertion loss:
(measured on smallest attenuation in pass band) | < 3.0 dB |
| 2.3. Stop band | |
| 2.3.1. fo ± 15 kHz | > 30 dB |
| 2.3.2. fo ± 20 kHz | > 50 dB |
| 2.3.3. fo ± 25 kHz | > 70 dB |
| 2.3.4. Alternate attenuation | > 80 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 // 0 pF |
| 2.5. Maximum continuous input power level: | +10 dBm / +20 dBm (working / non-damaged) |
| 3. Marking: | manufacturer, date code
MQF 10.0-1500/06 |
| 4. Environment conditions: | Corresponding to Vectron MIL standard |

Edited by: _____ date: _____ name: _____