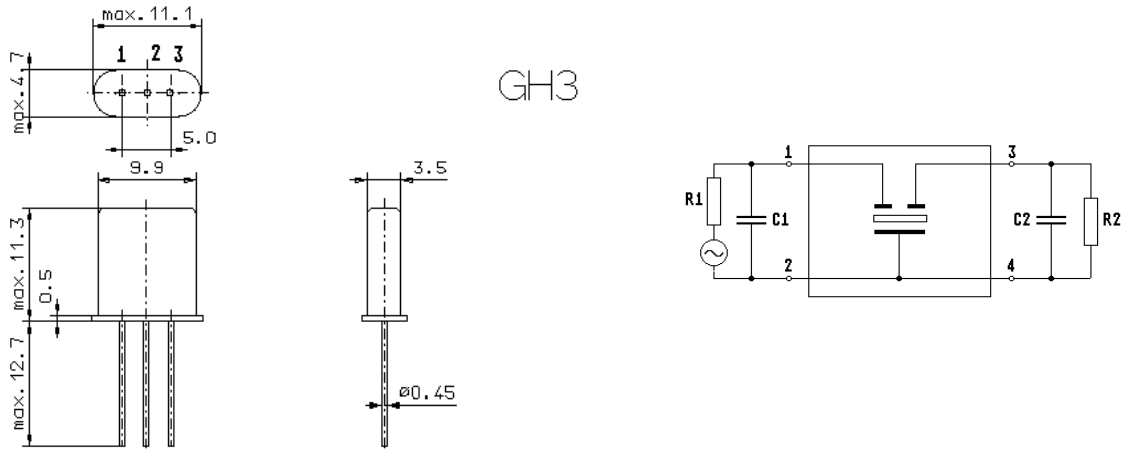


Specification for monolithic crystal filter:

MQF 10.0-2000/06

1. General

1.1. Package:



GH3

- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.0-2000/06 |
| 1.3. Number of poles: | 2 |
| 1.4. Operable temperature range: | -25°C to +80°C |
| 1.5. Operating temperature range: | -20°C to +70°C |
| 1.6. Storage temperature range: | -55°C to +80°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency fo: | 10.0000 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 10.0$ kHz |
| 2.2.2. Ripple: | ≤ 0.5 dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 2.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 35$ kHz | ≥ 15 dB |
| 2.3.2. Alternate attenuation: | ≥ 40 dB |
| 2.3.3. Spurious responses: | ≥ 10 dB |
| 2.4. Terminating impedance (input and output): | 4500 Ω // 0.5 pF |
| 2.5. Intermodulation | |
| frequency 1 / 2: | $f_0 \pm 25$ kHz |
| frequency 3 / 4: | $f_0 \pm 50$ kHz |
| input power level: | - 30 dBm |
| IM: | ≥ 75 dB |
| 3. Marking: | manufacturer, date code
10.0-2000/06 |
| 4. Environment conditions: | Corresponding to Vectron CF001 |

Edited by: _____ date: _____ name: _____