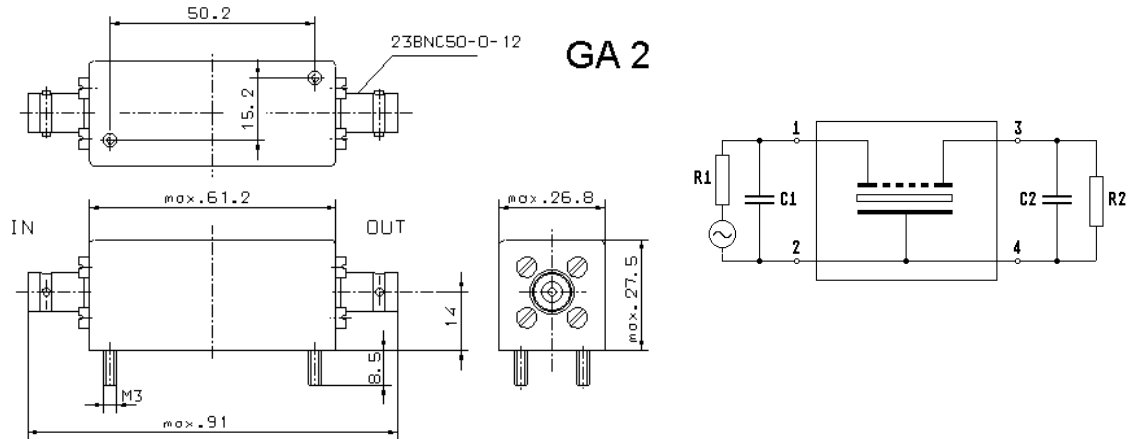


Specification for monolithic crystal filters:

MQF 121.975-3000/02

1. General

1.1. Case:



- | | |
|-----------------------------------|-----------------|
| 1.2. Number of poles: | 4, 3rd overtone |
| 1.3. Operable temperature range: | -15°C to +80°C |
| 1.4. Operating temperature range: | -10°C to +70°C |
| 1.5. Storage temperature range: | -25°C to +85°C |

2. Electric values

- | | |
|---|--|
| 2.1. Nominal centre frequency f_0 : | 121.975 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 15$ kHz |
| 2.2.2. Ripple in pass band: | ≤ 2.0 dB at $f_0 \pm 12$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 6.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 75$ kHz | ≥ 25 dB |
| 2.3.2. $f_0 \pm 150$ kHz | ≥ 30 dB |
| 2.3.3. Alternate attenuation: | ≥ 60 dB |
| 2.3.4. Spurious responses: | ≥ 5 dB |
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
| 2.5. VSWR (at $f_0 \pm 12$ kHz): | ≤ 2.5 (corresponding 7.4 dB) |
| 3. Marking on the case: | Manufacturer, date code
MQF 121.975-3000/02 |
| 4. Environment conditions: | Corresponding to Telefilter CF001 |

Edited by: _____ date: _____ name: _____