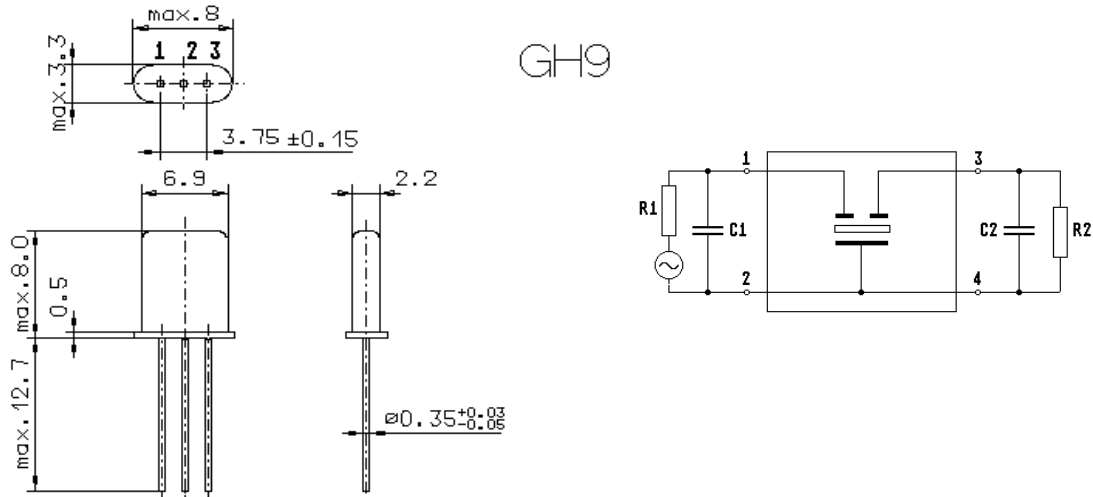


Specification for monolithic crystal filter:

MQF 45.0-0750/12

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-0750/12 |
| 1.3. Number of poles: | 2 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -35°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency f_0 : | 45.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 3.75$ kHz |
| 2.2.2. Ripple: | ≤ 1 dB at $f_0 \pm 3$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 2.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 12.5$ kHz | ≥ 15 dB |
| 2.3.2. $f_0 - 100$ kHz | ≥ 45 dB |
| 2.3.3. $f_0 + 500$ kHz | ≥ 45 dB (except spurious) |
| 2.3.4. $f_0 \pm 910$ kHz | ≥ 70 dB (except spurious) |
| 2.3.5. Spurious responses: | ≥ 15 dB |
| 2.4. Terminating impedance (input and output): | $350 \Omega // 11$ pF |
| 3. Marking: | manufacturer, date code
45.0-0750/12 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |