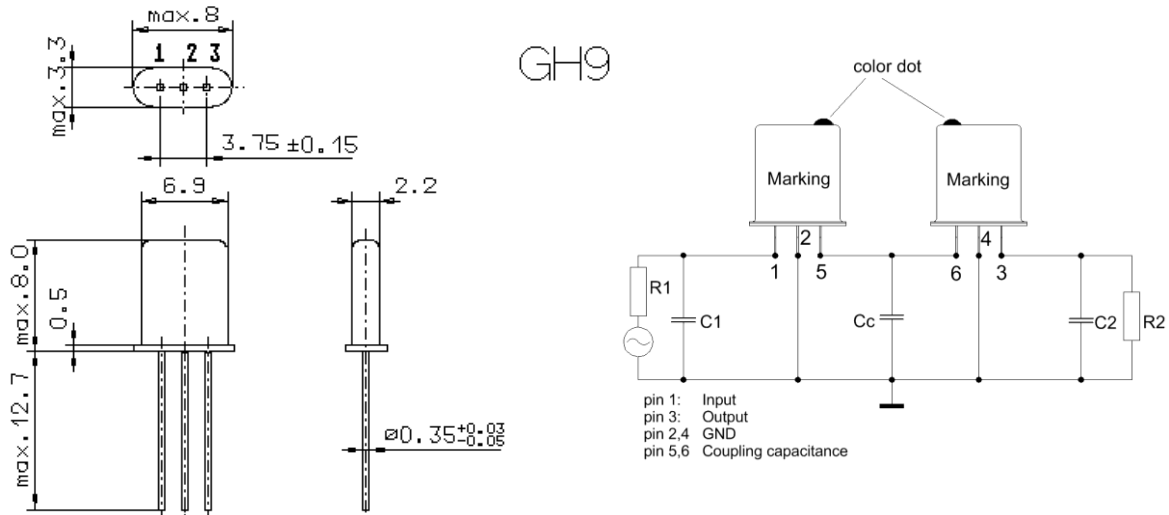


Specification for monolithic crystal filter:

MQF 21.4-2000/02

1. General

1.1. Package: 2 x GH 9 (each filter consists of a pair of two matched duals)



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-2000/02 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|---|---|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 10$ kHz |
| 2.2.2. Ripple: | ≤ 0.5 dB at $f_0 \pm 7.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 1.5 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 35$ kHz | ≥ 40 dB |
| 2.3.2. $f_0 - 200$ kHz | ≥ 65 dB |
| 2.3.3. $f_0 + 350$ kHz | ≥ 65 dB |
| 2.4. Terminating impedance R//C (input and output): | 1900 Ω // 1.0 pF |
| 2.4.1. Coupling capacitance (C_c): | 5.2 pF |
| 3. Marking: | manufacturer, date code
21.4-2000/02 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____