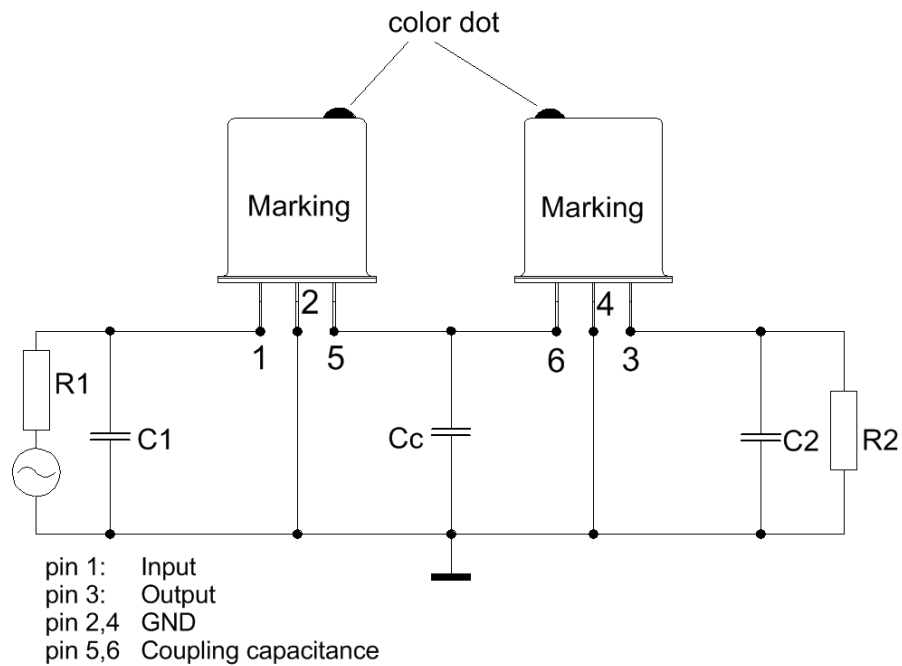
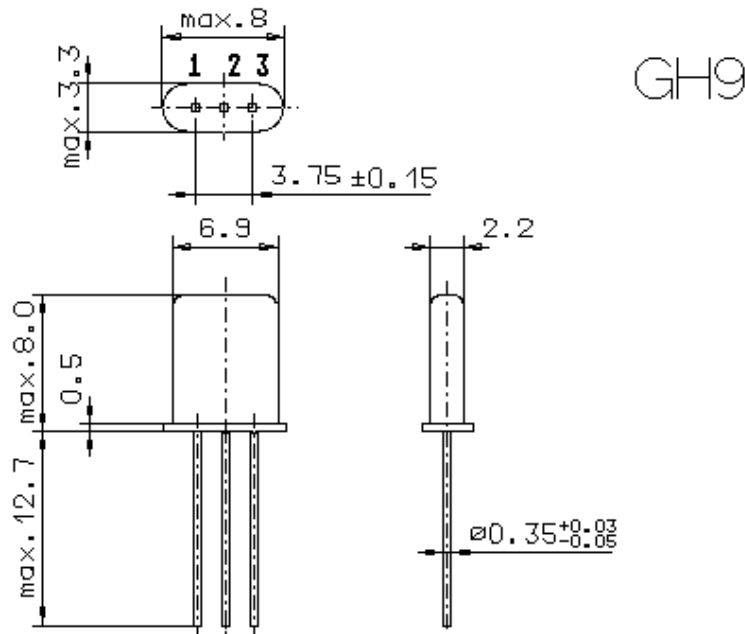


Specification for monolithic crystal filter: **MQF 85.0-0750/02**

1. General

1.1. Package: 2 x GH9 (each filter consists of a pair of two matched duals)



- 1.2. Type name: MQF 85.0-0750/02
1.3. Number of poles: 4
1.4. Operating temperature range (OTR): -20°C to +60°C
1.5. Storage temperature range: -35°C to +85°C

2. Electric values

- 2.1. Nominal centre frequency fo: 85.0 MHz

2.2. Pass band

- 2.2.1. Centre frequency fc at +23°C ± 2°C: 85.0 MHz ± 1.5 kHz
2.2.2. Tolerance of fc in OTR referred to +23°C: < ± 23 ppm
2.2.3. Bandwidth between 3 dB - frequencies: > fc ± 3.75 kHz
2.2.4. Ripple (peak to peak): < 1.0 dB at fc ± 2.0 kHz
2.2.5. Insertion loss: < 5.5 dB
(measured on smallest attenuation in pass band)

2.3. Stop band

- 2.3.1. fc ± 12.5 kHz > 30 dB
2.3.2. fc ± 20 kHz > 50 dB
2.3.3. fc +20 kHz.....+500 kHz > 50 dB (except spurious)
2.3.4. fc +500 kHz.....+1.0 MHz > 70 dB (except spurious)
2.3.5. fc -200 kHz.....-1.0 MHz > 75 dB

- 2.4. Terminating impedance R//C (input and output): 1200 Ω // 0 pF

- 2.4.1. Coupling capacitance Cc: 1.2 pF

- 2.5. Maximum input power level
- working and for reference measurements: -10 dBm
- non damaged: +10 dBm

3. Marking: manufacturer, date code
85.0-0750/02

4. Environment conditions: Corresponding to Vectron CF001

5. packing: maximum 250 pcs. / box

Edited by: date: _____ name: _____