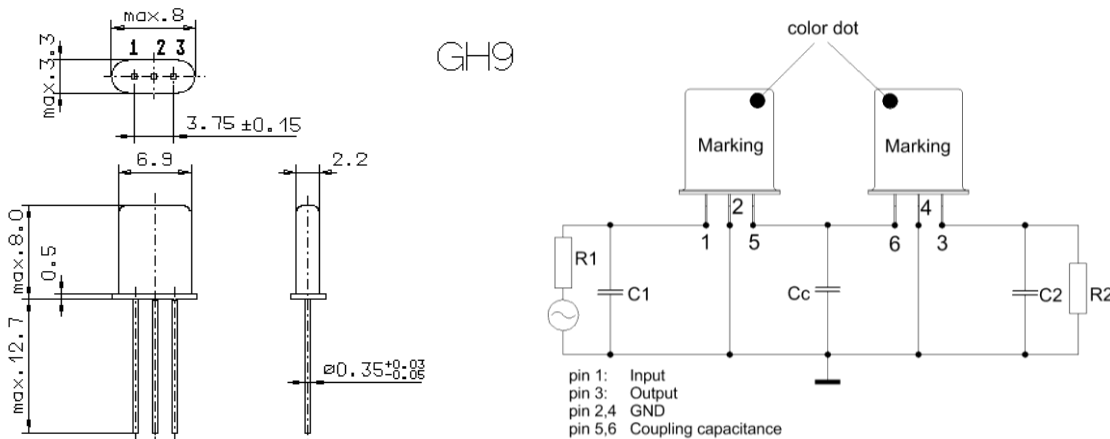


Specification for monolithic crystal filter: **MQF 38.855-1500/02**

1. General

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



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 38.855-1500/02 |
| 1.3. Number of poles: | 4 |
| 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 fo: | 38.855 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | ≥ fo ± 7.5 kHz |
| 2.2.2. Ripple at fo ± 5.0 kHz: | ≤ 1.0 dB (peak to peak) |
| 2.2.3. Insertion loss: | ≤ 2.5 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. fo ± 25 kHz | ≥ 30 dB |
| 2.3.2. fo +600.....+1000kHz | ≥ 70 dB |
| 2.3.3. fo -200.....-1000kHz | ≥ 70 dB |
| 2.4. Terminating impedance R//C (input and output): | 600 Ω // 3.0 pF |
| 2.4.1. Coupling capacitance (Cc): | 15.4 pF |

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|----------------------------|---|
| 3. Marking: | manufacturer, date code 38.855-1500/02 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |