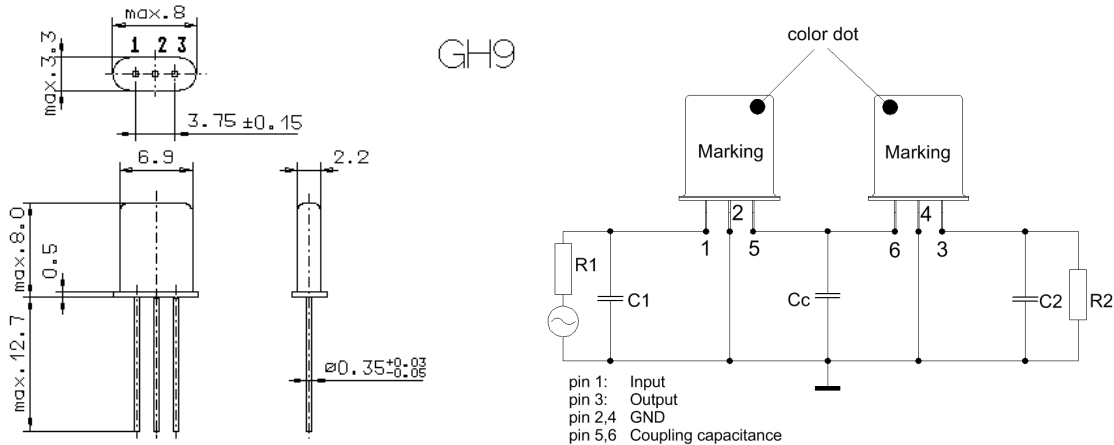


Specification for monolithic crystal filter: **MQF 38.855-1500/02**
1. General

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: | $\geq f_o \pm 7.5$ kHz |
| 2.2.2. Ripple at $f_o \pm 5.0$ 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. $f_o \pm 25$ kHz | ≥ 30 dB |
| 2.3.2. $f_o +600\dots\dots+1000$ kHz | ≥ 70 dB |
| 2.3.3. $f_o -200\dots\dots-1000$ kHz | ≥ 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 |

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

Edited by: _____ date: _____ name: _____