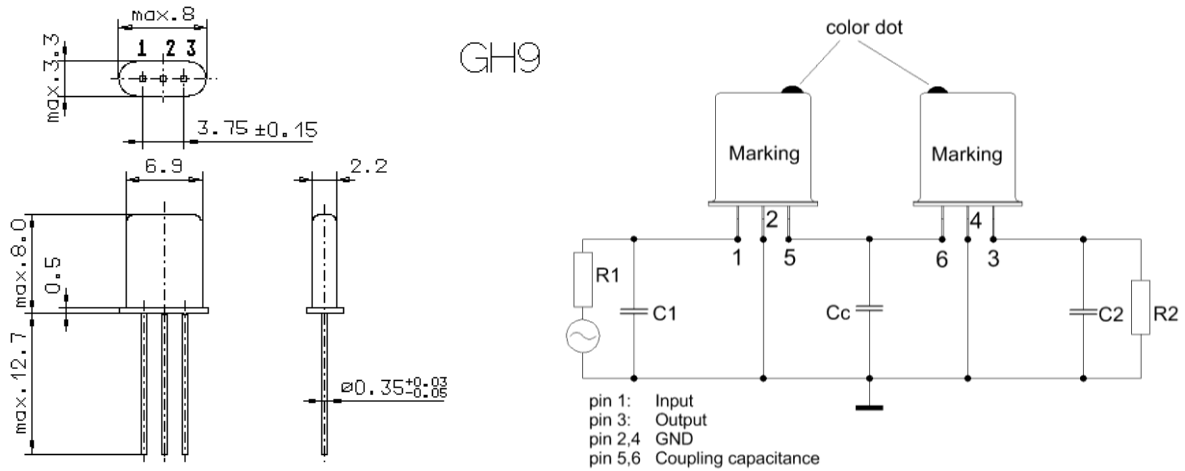


Specification for monolithic crystal filter: **MQF 45.0-1500/10**

1. General

1.1. Package: 2 x GH 9 (each filter consist of a matched pair of two GH9 duals)



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-1500/10 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -30°C to +90°C |
| 1.5. Storage temperature range: | -55°C to +90°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: | $\geq f_0 \pm 7.5$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 25$ kHz | ≥ 30 dB |
| 2.3.2. $f_0 - 910$ kHz | ≥ 90 dB |
| 2.4. Terminating impedance R//C (input and output): | $650 \Omega // 3.0$ pF |
| 2.4.1. Coupling capacitance (C_c): | 10 pF ± 10 % |

3. Others

- | | |
|----------------------------|---|
| 4. Marking: | manufacturer, date code
45.0-1500/10 |
| 5. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____

