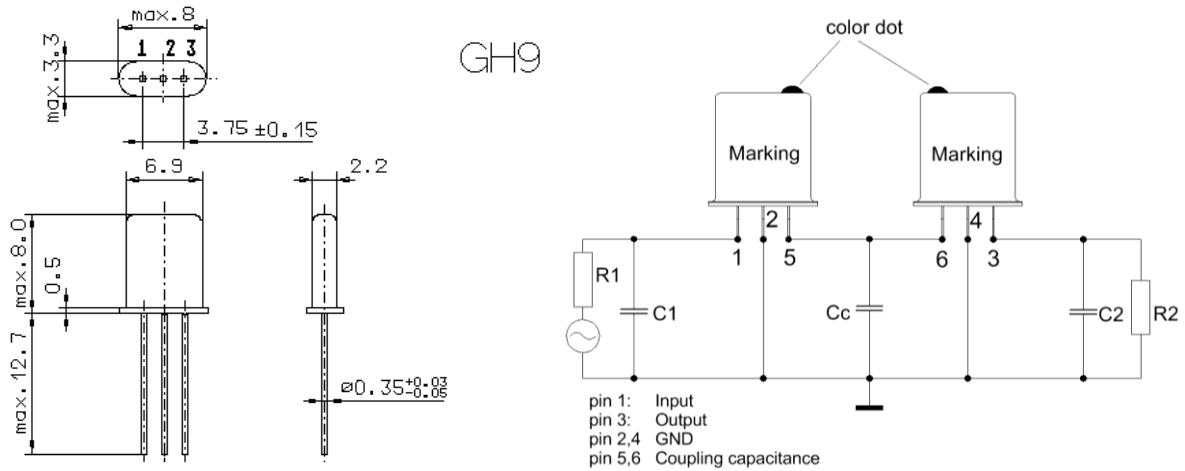


Specification for monolithic crystal filter: **MQF 45.0-1500/10**

## 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                           |
| <b>2.2. Pass band</b>   |                                    |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.5$ kHz             |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.0$ dB                      |
| <b>2.3. Stop band</b>   |                                    |
| 2.3.1. $f_0 \pm 25$ kHz   | $\geq 30$ dB                       |
| 2.3.2. $f_0 - 910$ kHz  | $\geq 90$ dB                       |
| 2.4. Terminating impedance R//C (input and output):                         | $650 \Omega // 3.0$ pF             |
| 2.4.1. Coupling capacitance ( $C_c$ ):                                      | $10$ pF $\pm 10$ %                 |

## 3. Others

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

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_

