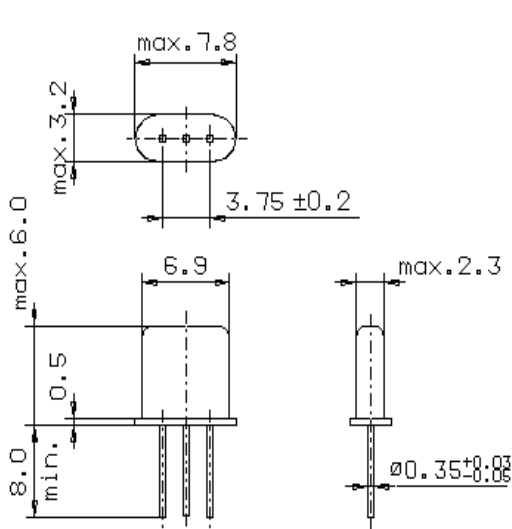


Specification for monolithic crystal filter:

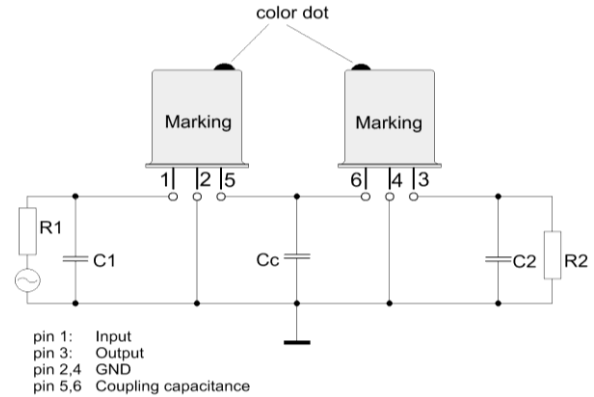
**MQF 45.0 - 1600 / 02**

**1. General**

**1.1. Package:**



GH 12



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 45.0-1600/02 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operable temperature range:  | -30°C to +80°C   |
| 1.5. Operating temperature range: | -25°C to +70°C   |
| 1.6. Storage temperature range:   | -55°C to +80°C   |

**2. Electric values**

- |   |   |
|---|---|
| 2.1. Nominal centre frequency fo:   | 45.0 MHz                                |
| <b>2.2. Pass band</b>   |   |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | ≥ fo ± 8.0 kHz                          |
| 2.2.2. Ripple:  | ≤ 1.0 dB at fo ± 5.0 kHz                |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 3.0 dB                                |
| <b>2.3. Stop band</b>   |   |
| 2.3.1. fo ± 25 kHz  | ≥ 30 dB                                 |
| 2.3.2. fo - 910 kHz   | ≥ 90 dB                                 |
| 2.4. Terminating impedance R//C (input and output):                         | 700 Ω // 2.0 pF                         |
| 2.4.1. Coupling capacitance ( Cc ):   | 10 pF ± 10 %                            |
| 3. Marking:   | manufacturer, date code<br>45.0-1600/02 |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001 |

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