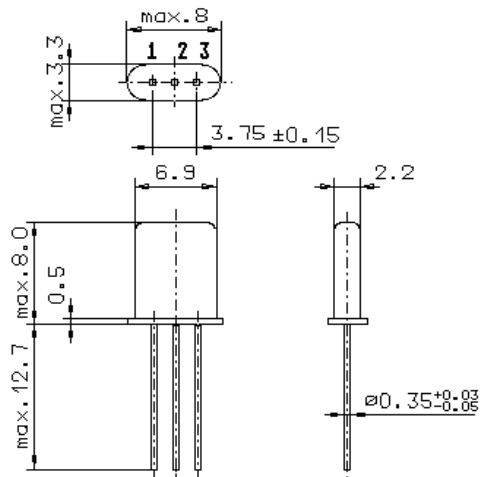


Specification for monolithic crystal filter

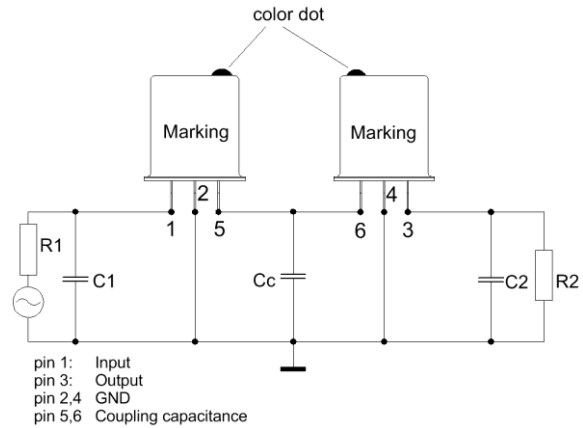
**MQF 60.0-0400/02**

**1. General**

1.1. Package: 2 x GH 9



GH9



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 60.0-0400/02 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -45°C to +85°C   |

**2. Electric values**

- |   |  |
|---|--|
| 2.1. Nominal centre frequency $f_0$ :                                       | 60.0 MHz   |
| 2.2. <b>Pass band</b>   |  |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 2.0$ kHz   |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 1.0$ kHz                                   |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 6.0$ dB  |
| 2.3. <b>Stop band</b>   |  |
| 2.3.1. $f_0 \pm 12$ kHz   | $\geq 30$ dB   |
| 2.3.2. Alternate attenuation:   | $\geq 40$ dB ( except spurious )                                     |
| 2.3.3. Spurious responses:  | $\geq 25$ dB   |
| 2.4. Terminating impedance ( input and output ):                            | $2000 \Omega // -0.2$ pF   |
| 2.4.1. Coupling capacitance $C_c$ :   | $0.4$ pF   |
| 3. Marking:   | manufacturer, date code<br>60.0-0400<br>/02<br>OEM marking on demand |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001                              |

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