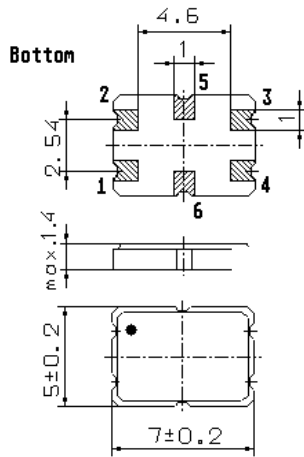


Specification for monolithic crystal filter:

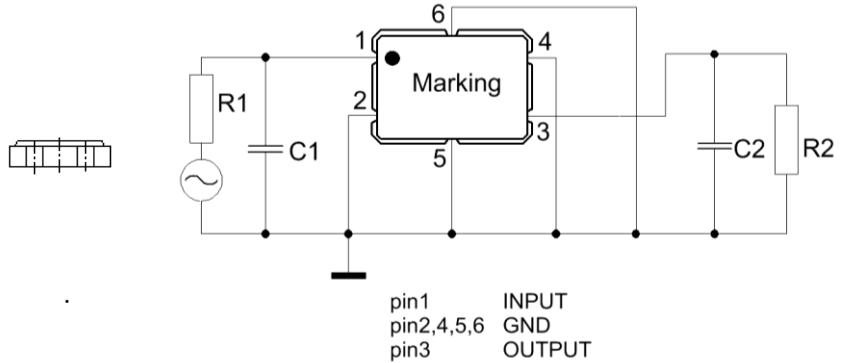
**MQF 32.768-0800/01**

## 1. General

### 1.1. Package:



**GS 2**



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 32.768-0800/01 |
| 1.3. Number of poles:             | 2                  |
| 1.4. Operating temperature range: | -20°C to +85°C     |
| 1.5. Storage temperature range:   | -55°C to +125°C    |

## 2. Electric values

- |   |  |
|---|--|
| 2.1. Nominal centre frequency fo:   | 32.768 MHz                                 |
| <b>2.2. Pass band</b>   |  |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | > ± 4.0 kHz                                |
| 2.2.2. Ripple:  | < 1.0 dB at fo ± 2.0 kHz                   |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | < 2.0 dB                                   |
| <b>2.3. Stop band</b>   |  |
| 2.3.1. fo ± 60 kHz  | > 40 dB                                    |
| 2.3.2. alternate attenuation  | 0.06...32.708MHz > 40 dB                   |
|   | 32.828...100 MHz > 40 dB (except spurious) |
| 2.4. Terminating impedance R//C ( input and output ):                       | 670 Ω // 6 pF                              |
| 2.5. Input level working/non-damaged  | -10 / 0 dBm                                |
| 3. Marking:   | M32A1<br>manufacturer, date code           |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001    |
| 5. Filters are Pb-free and 2002 /95 / EC RoHS compliant                     |  |

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