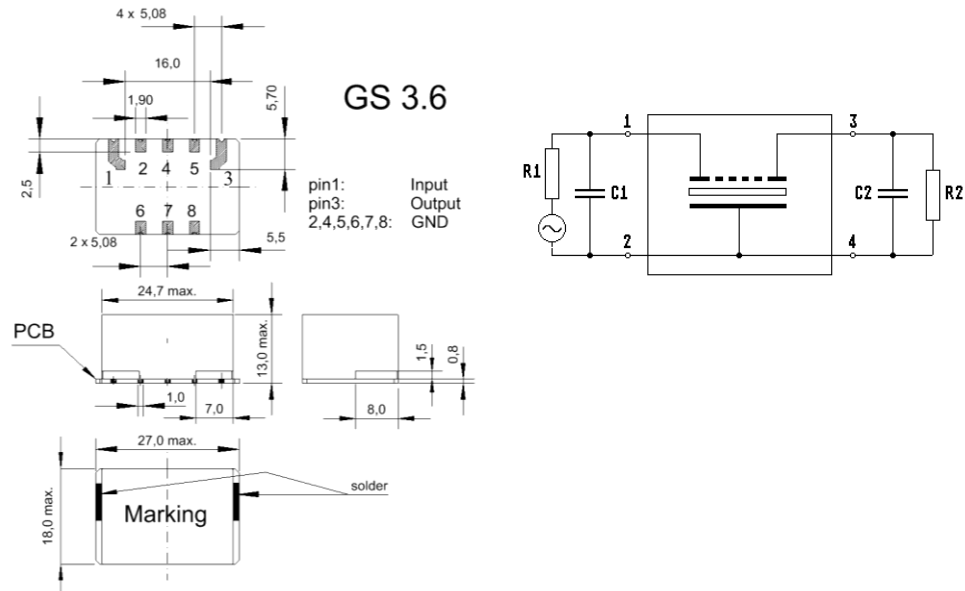


Specification for monolithic crystal filter:

**MQF 4.13667-1000 / 01**

## 1. General

### 1.1. Package:



- |                                   |                     |
|-----------------------------------|---------------------|
| 1.2. Type name:                   | MQF 4.13667-1000/01 |
| 1.3. Number of poles:             | 2                   |
| 1.5. Operating temperature range: | -40°C to +85°C      |
| 1.6. Storage temperature range:   | -40°C to +120°C     |

## 2. Electric values

- |   |  |
|---|--|
| 2.1. Nominal centre frequency $f_0$ :                                       | 4.13667 MHz                                    |
| <b>2.2. Pass band</b>   |  |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $> f_0 \pm 5.0$ kHz                            |
| 2.2.2. Ripple:  | $< 1.0$ dB at $f_0 \pm 3$ kHz                  |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 5.0$ dB                                     |
| <b>2.3. Stop band</b>   |  |
| 2.3.1. $f_0 \pm 55$ kHz   | $> 30$ dB                                      |
| 2.3.2. Alternate attenuation  | $> 35$ dB (except spurious)                    |
| 2.4. Terminating impedance ( input and output ):                            | $50 \Omega // 0$ pF                            |
| 2.5. Maximum Input Level: working/non damaged                               | 0/+20 dBm                                      |
| 3. Marking:   | manufacturer, date code<br>MQF 4.13667-1000/01 |
| 4. Environment conditions:  | Vectron MIL standard                           |

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