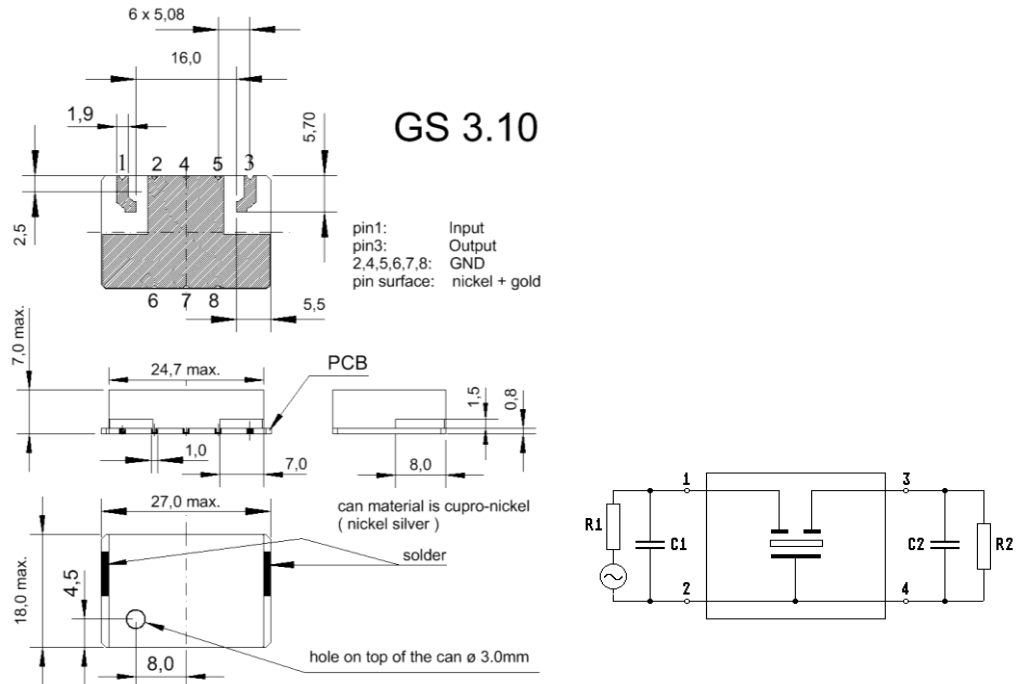


Specification for monolithic crystal filter:

**MQF 45.0 - 1200 / 18**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 45.0-1200/18 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -25°C to +70°C   |
| 1.5. Storage temperature range:   | -45°C to +85°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:                                | $> f_0 \pm 6.0$ kHz                         |
| 2.2.2. Ripple:  | $< 2.0$ dB at $f_0 \pm 4.0$ kHz             |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 5.5$ dB                                  |
| <b>2.3. Stop band</b>   |   |
| 2.3.1. $f_0 \pm 15.0$ kHz:  | $> 40$ dB                                   |
| 2.3.2. $f_0 \pm 22.0$ kHz:  | $> 60$ dB                                   |
| 2.3.3. Alternate attenuation $f_0 \pm 910$ kHz:                             | $> 70$ dB ( except spurious )               |
| 2.4. Maximum input level ( working / non-damaged ):                         | 0 / +20 dBm                                 |
| 2.5. Terminating impedance R//C ( input and output ):                       | 50 $\Omega$ // 0 pF                         |
| 3. Marking:   | manufacturer, date code<br>MQF 45.0-1200/18 |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001     |
| 5. Filters are Pb-free and 2002 /95 / EC RoHS compliant                     |   |

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