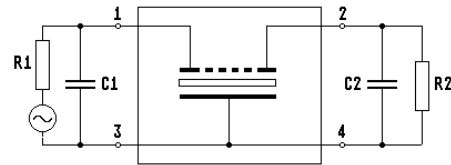
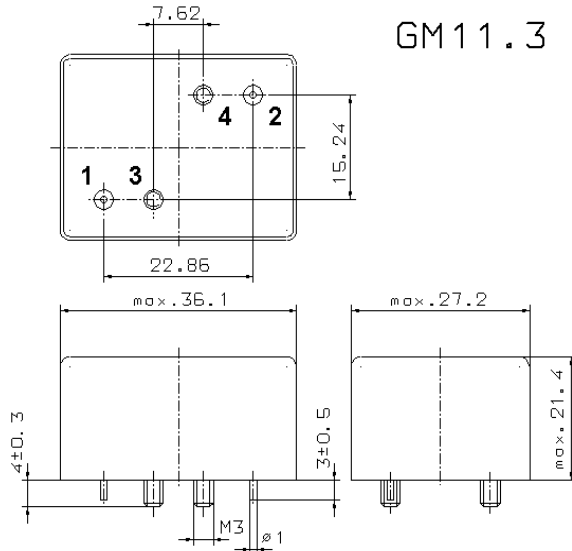


Specification for crystal filter:

**QF 4.9985 - 0010/08**

## 1. General

### 1.1. Package:



Note: Pin 2 - Output Pin 3 - Ground

- |                                   |                   |
|-----------------------------------|-------------------|
| 1.2. Type name:                   | QF 4.9985-0010/08 |
| 1.3. Number of poles:             | 8                 |
| 1.4. Operating temperature range: | 0°C to +75°C      |
| 1.5. Storage temperature range:   | -45°C to +85°C    |

## 2. Electric values

- |   |  |
|---|--|
| 2.1. Nominal centre frequency $f_0$ :                                       | 4.9985 MHz                                   |
| 2.2. <b>Pass band</b>   |  |
| 2.2.1. Bandwidth between 3 dB frequencies:                                  | $> f_0 \pm 0.05$ kHz                         |
| 2.2.2. Ripple at $f_0 \pm 0.05$ kHz:  | Gaussian                                     |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 9.5$ dB                                   |
| 2.3. <b>Stop band</b>   |  |
| 2.3.1. $f_0 \pm 0.35$ kHz   | $> 60$ dB                                    |
| 2.3.2. Alternate attenuation:   | $> 80$ dB                                    |
| 2.4. Terminating impedance ( input and output ):                            | $50 \Omega // 0$ pF                          |
| 2.5. Out band Intermodulation   |  |
| - input power level:  | -10 dBm                                      |
| - frequencies:  | $f_0 \pm 400$ Hz / $f_0 \pm 800$ Hz          |
| - Intermodulation   | $> 80$ dB                                    |
| 3. Marking:   | manufacturer, date code<br>QF 4.9985-0010/08 |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001      |