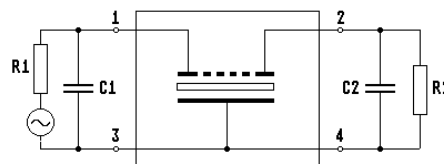
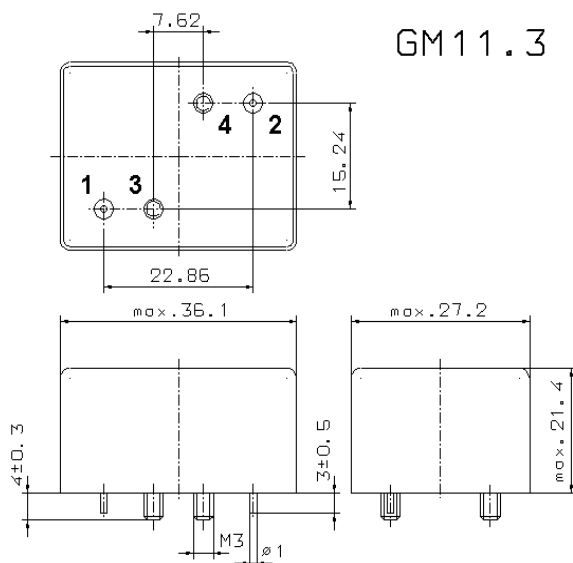


Specification for crystal filter:

**Q F 4.9985 - 0015/08**

**1. General**

**1.1. Package:**



Note: Pin 2 - Output Pin 3 - Ground

- |                                   |                   |
|-----------------------------------|-------------------|
| 1.2. Type name:                   | QF 4.9985-0015/08 |
| 1.3. Number of poles:             | 7                 |
| 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 fo:                                           | 4.9985 MHz                                   |
| 2.2. <b>Pass band</b>                                                       |                                              |
| 2.2.1. Bandwidth between 3 dB frequencies:                                  | > fo ± 0.075 kHz                             |
| 2.2.2. Ripple at fo ± 0.075 kHz:                                            | Gaussian                                     |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | < 8.0 dB                                     |
| 2.3. <b>Stop band</b>                                                       |                                              |
| 2.3.1. fo ± 0.4 kHz                                                         | > 60 dB                                      |
| 2.3.2. Alternate attenuation:                                               | > 80 dB                                      |
| 2.4. Terminating impedance ( input and output ):                            | 50 Ω // 0 pF                                 |
| 2.5. Out band Intermodulation                                               |                                              |
| - input power level:                                                        | -10 dBm                                      |
| - frequencies:                                                              | fo ± 500 Hz / fo ± 1 kHz                     |
| - Intermodulation                                                           | > 80 dB                                      |
| 3. Marking:                                                                 | manufacturer, date code<br>QF 4.9985-0015/08 |
| 4. Environment conditions:                                                  | Corresponding to Vectron standard CF001      |