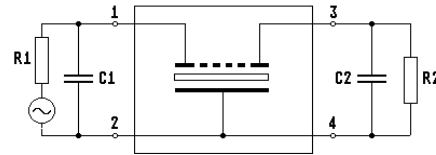
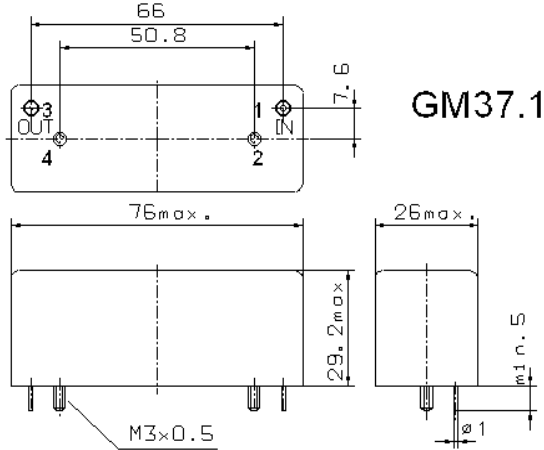


Specification for monolithic crystal filter:

**QF 2.5 - U0290/04**

**1. General**

1.1. Package:



- |                                   |                 |
|-----------------------------------|-----------------|
| 1.2. Type name:                   | QF 2.5-U0290/04 |
| 1.3. Number of poles:             | 8               |
| 1.4. Operating temperature range: | -25°C to +70°C  |
| 1.5. Storage temperature range:   | -35°C to +85°C  |

**2. Electric values**

- |   |   |
|---|---|
| 2.1. Nominal centre frequency fo:   | 2.5 MHz                                     |
| <b>2.2. Pass band</b>   |   |
| 2.2.1. Pass band at 6 dB:   | fo + 0.3 kHz to fo + 3.04 kHz               |
| 2.2.2. Ripple in Operating temperature range :                              | ≤ 2.0 dB at fo + 0.59 kHz to fo + 2.375 kHz |
| Ripple in the range -10 Deg to +55 Deg:                                     | ≤ 2.0 dB at fo + 0.55 kHz to fo + 2.50 kHz  |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 4.0 dB                                    |
| <b>2.3. Stop band</b>   |   |
| 2.3.1. fo - 0.4 kHz   | ≥ 40 dB                                     |
| 2.3.2. fo + 7.5 kHz   | ≥ 40 dB                                     |
| 2.3.3. Alternate Attenuation:   | ≥ 60 dB ( except spurious )                 |
| 2.3.4. Max. input power:  | 10 mW                                       |
| 2.4. Terminating impedance ( input and output ):                            | 600 Ω // 0 pF                               |
| 3. Marking:   | manufacturer, date code<br>QF 2.5-U0290/04  |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001     |