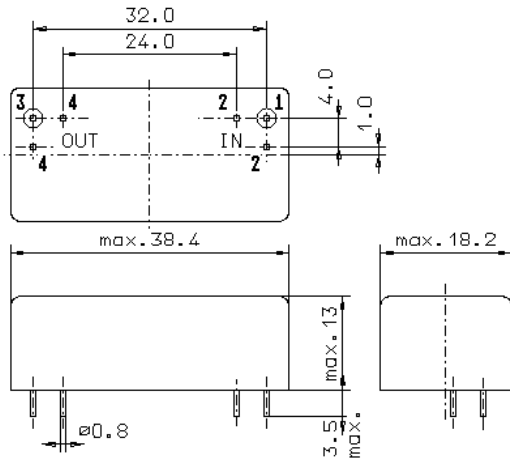


Specification for crystal filter:

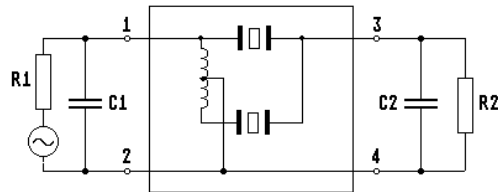
**QF 23.3-12500/06**

## 1. General

### 1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | QF 23.3-12500/06 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -45°C to +85°C   |

## 2. Electric values

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 23.3 MHz |
|---------------------------------------|----------|

### 2.2. Pass band

- |   |                         |
|---|-------------------------|
| 2.2.1. Bandwidth between 1 dB - frequencies:                                | $> f_0 \pm 62.5$ kHz    |
| 2.2.2. Ripple at $f_0 \pm 62.5$ kHz:  | $< 1.0$ dB peak to peak |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 4.5$ dB              |

### 2.3. Stop band

- |  |                                     |
|--|-------------------------------------|
| 2.3.1. $f_0 \pm 1.7$ MHz                         | $> 60$ dB                           |
| 2.3.2. Alternate attenuation:                    | $> 60$ dB                           |
| 2.4. Terminating impedance ( input and output ): | $50 \Omega // 0$ pF                 |
| 2.5. Maximum input power level:                  | +10 / +20 ( working / non-damaged ) |

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>QF 23.3-12500/06 |
|-------------|---|

- |                            |   |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron CF001 standard |
|----------------------------|---|

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