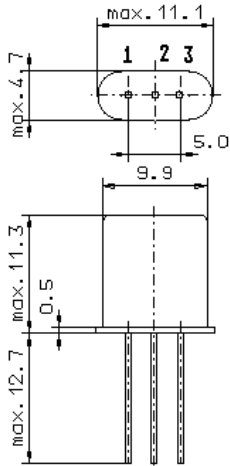


Specification for monolithic crystal filter:

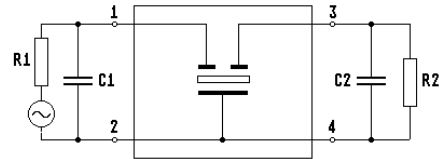
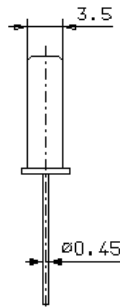
**MQF 13.333-2500/01**

## 1. General

### 1.1. Package:



GH3



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 13.333-2500/01 |
| 1.3. Number of poles:             | 2                  |
| 1.4. Operable temperature range:  | -20°C to +70°C     |
| 1.5. Operating temperature range: | -10°C to +55°C     |
| 1.6. Storage temperature range:   | -30°C to +80°C     |

## 2. Electric values

- |                                       |            |
|---------------------------------------|------------|
| 2.1. Nominal centre frequency $f_0$ : | 13.333 MHz |
|---------------------------------------|------------|

### 2.2. Pass band

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 1 dB - frequencies:                                | $\geq f_0 \pm 12.5$ kHz            |
| 2.2.2. Ripple:  | $\leq 0.5$ dB at $f_0 \pm 7.5$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 2.0$ dB                      |

### 2.3. Stop band

- |                            |              |
|----------------------------|--------------|
| 2.3.1. $f_0 \pm 45$ kHz    | $\geq 15$ dB |
| 2.3.2. $f_0 \pm 250$ kHz   | $\geq 40$ dB |
| 2.3.3. Spurious responses: | $\geq 7$ dB  |

- |  |                          |
|--|--------------------------|
| 2.4. Terminating impedance ( input and output ): | 4000 $\Omega$ // -0.2 pF |
|--|--------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>13.333-2500/01 |
|-------------|---|

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

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