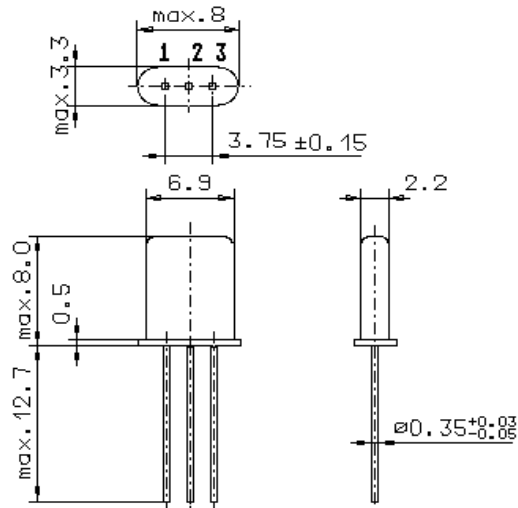


Specification for monolithic crystal filter:

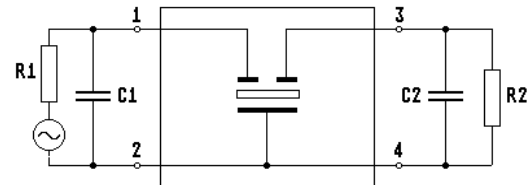
**MQF 45.0-1500/55**

## 1. General

### 1.1. Package:



GH9



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 45.0-1500/55 |
| 1.3. Number of poles:             | 2                |
| 1.4. Operating temperature range: | -25°C to +70°C   |
| 1.5. Storage temperature range:   | -55°C to +80°C   |

## 2. Electric values

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 45.0 MHz |
|---------------------------------------|----------|

### 2.2. Pass band

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.5$ kHz             |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 6.0$ 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. $f_0 \pm 25$ kHz    | $> 15$ dB (allowed in the                               |
| 2.3.2. $f_0 - 910$ kHz     | $> 60$ dB   |
| 2.3.3. Spurious responses: | accepted in the range $f_0 + 25$ kHz..... $f_0 + 2$ MHz |

- |  |                        |
|--|------------------------|
| 2.4. Terminating impedance R/C ( input and output ): | $650 \Omega // 4.7$ pF |
|--|------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>45.0-1500/55 |
|-------------|---|

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