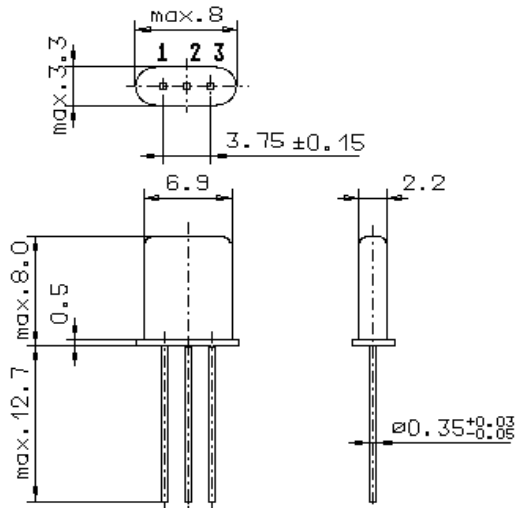


Specification for monolithic crystal filter:

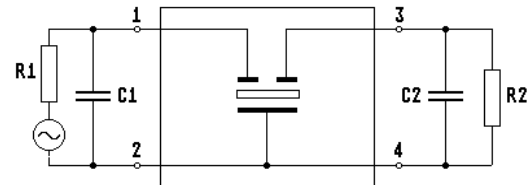
MQF 45.0-1500/55

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: | ≤ 1.0 dB at $f_0 \pm 6.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 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 |

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

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

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