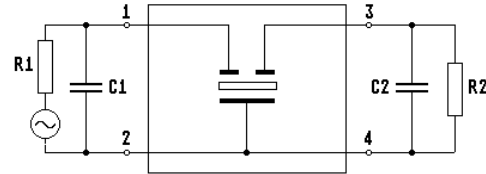
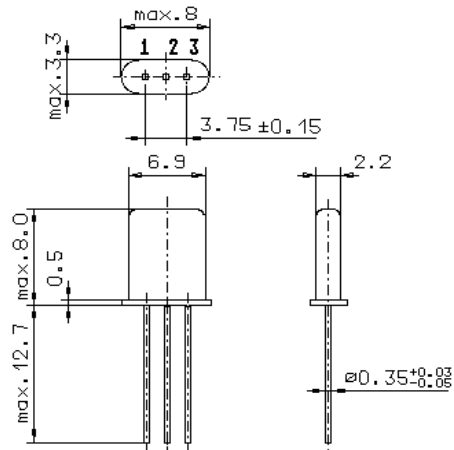


Specification for monolithic crystal filter

MQF 42.0-1000/01

1. General

1.1. Package:



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|-----------------------------------|------------------|
| 1.2. Type name: | MQF 42.0-1000/01 |
| 1.3. Number of poles: | 2 |
| 1.4. Operable temperature range: | -25°C to +80°C |
| 1.5. Operating temperature range: | -20°C to +70°C |
| 1.6. Storage temperature range: | -30°C to +85°C |

2. Electric values

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|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 42.0 MHz |
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2.2. Pass band

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|---|------------------------------------|
| 2.2.1. Centre frequency f_c : | 42.0 MHz \pm 1.0 kHz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 5.0$ kHz |
| 2.2.3. Ripple: | ≤ 1.0 dB at $f_0 \pm 3.5$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|--|--------------|
| 2.3.1. $f_0 \pm 40$ kHz | ≥ 25 dB |
| 2.3.2. $f_0 + 200$ kHz.....+ 1 MHz | ≥ 25 dB |
| 2.3.3. $f_0 - 40$ kHz.....- 1 MHz | ≥ 25 dB |
| 2.3.4. $f_0 \pm 1$ MHz..... ± 10 MHz | ≥ 50 dB |
| 2.3.5. Spurious responses ($f_0 + 40$ kHz...+ 200 kHz): | ≥ 3 dB |

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| 2.4. Terminating impedance (input and output): | 2200 Ω // -1.0 pF |
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| 3. Marking: | manufacturer, date code, 5L.5353
42.0-1000/01 |
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| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
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