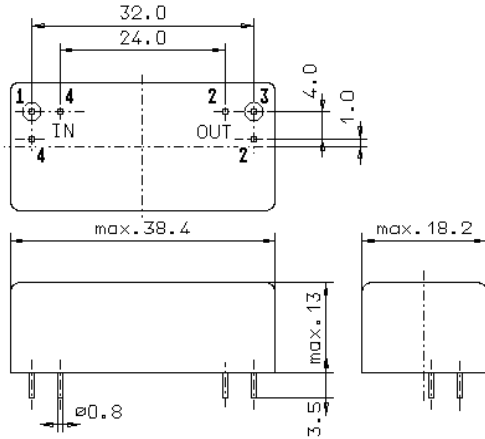


Specification for monolithic crystal filter:

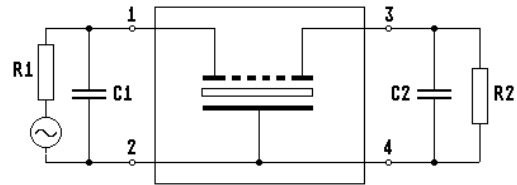
MQF 21.4-0800/07V0

1. General

1.1. Package:



GM17.1



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 21.4-0800/07V0 |
| 1.3. Number of poles: | 6 |
| 1.4. Operable temperature range: | -20°C to +85°C |
| 1.5. Operating temperature range: | -10°C to +70°C |
| 1.6. Storage temperature range: | -40°C to +90°C |

2. Electric values

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|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 21.4 MHz |
|-----------------------------------|----------|

2.2. Pass band

- | | |
|---|------------------------------------|
| 2.2.1. Centre frequency f_c : | 21.4 MHz \pm 400 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_c \pm 4.0$ kHz |
| 2.2.3. Ripple: | ≤ 1.5 dB at $f_c \pm 3.2$ kHz |
| 2.2.4. Insertion loss: (measured on smallest attenuation in pass band) | ≤ 4.0 dB |

2.3. Stop band

- | | |
|--|--------------|
| 2.3.1. $f_c \pm 12.0$ kHz | ≥ 60 dB |
| 2.3.2. $f_c \pm 50$ kHz..... ± 5 MHz | ≥ 90 dB |

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|--|------------------------------|
| 2.4. Terminating impedance (input and output): | 50 $\Omega \pm 10$ % // 0 pF |
|--|------------------------------|

2.5. Intermodulation

- | | |
|--------------|-------------------------|
| IP 3: | > 30 dBm |
| frequency 1: | 21.384 MHz / 21.392 MHz |
| frequency 2: | 21.408 MHz / 21.416 MHz |
| input power: | 0 dBm |
| IM: | > 60 dB |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code MQF 21.4-0800/07V0 |
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|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
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