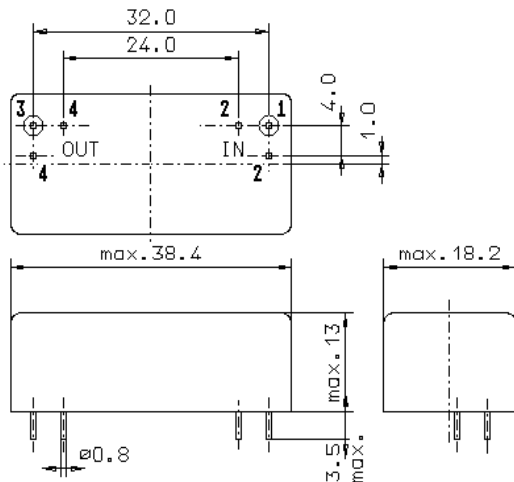


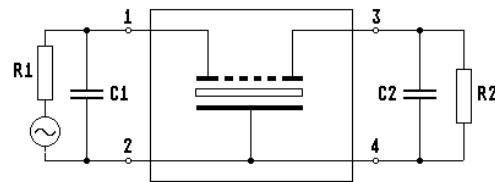
Specification for monolithic crystal filter: **MQF 21.4-0700/10**

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-0700/10 |
| 1.3. Number of poles: | 12 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|------------------------------------|
| 2.2.1. Bandwidth between 4 dB - frequencies: | $\geq f_0 \pm 3.5$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_0 \pm 2.5$ kHz |
| 2.2.3. Insertion loss: (measured on smallest attenuation in pass band) | ≤ 4.5 dB |

2.3. Stop band

- | | |
|--|--------------|
| 2.3.1. $f_0 \pm 6.5$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 8.33$ kHz | ≥ 70 dB |
| 2.3.3. $f_0 \pm 30$ kHz..... ± 300 kHz | ≥ 80 dB |

- | | |
|--|-----------------------|
| 2.4. Terminating impedance (input and output): | 470 Ω // 15 pF |
|--|-----------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code MQF 21.4-0700/10 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____