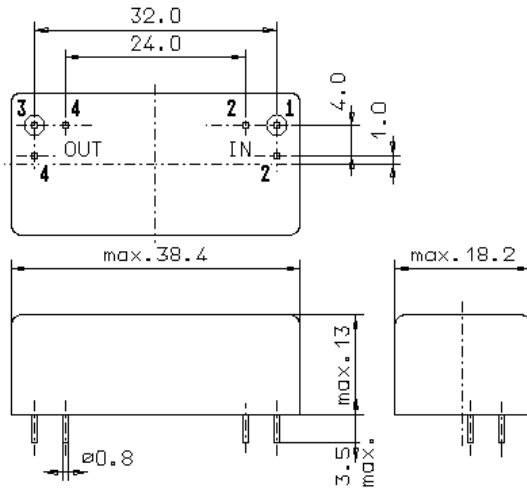


Specification for monolithic crystal filter:

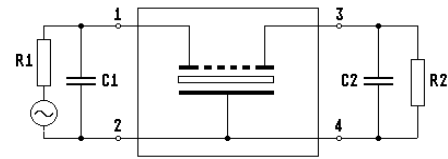
MQF 10.7-0840/07

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.7-0840/07 |
| 1.3. Number of poles: | 10 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 10.7 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|---|
| 2.2.1. Centre frequency f_c : | 10.7 MHz \pm 350 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 4.2$ kHz |
| 2.2.3. Ripple (at $f_0 \pm 3.15$ kHz): | ≤ 1.0 dB |
| 2.2.4. Group delay difference between 2 filters of a pair: | ≤ 35 μ s (at $f_0 \pm 2.52$ kHz) |
| 2.2.5. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.5 dB |

2.3. Stop band

- | | |
|--|---------------------|
| 2.3.1. $f_0 \pm 8.5$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 10.5$ kHz | ≥ 80 dB |
| 2.3.3. Alternate attenuation: | ≥ 80 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 10.7-0840/07 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____