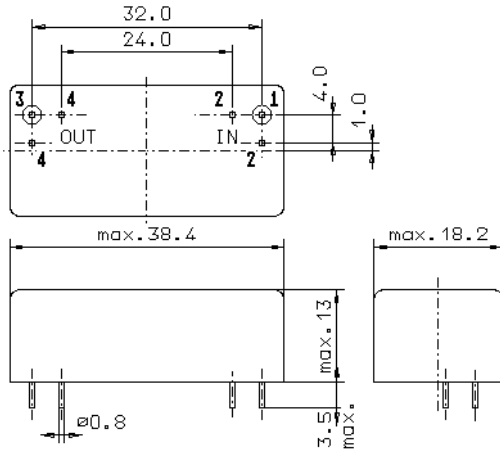


Specification for monolithic crystal filter

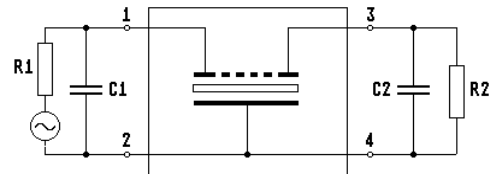
MQF 70.0-2300/07

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 70.0-2300/07 |
| 1.3. Number of poles: | 4 |
| 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 : | 70.0 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|---|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 11.5$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_0 \pm 8.0$ kHz |
| 2.2.3. Group delay distortion (-20°C to +70°C): | ≤ 30 μ s at $f_0 \pm 11.5$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 5.0 dB |

2.3. Stop band

- | | |
|--------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 30$ kHz | ≥ 20 dB |
| 2.3.2. $f_0 \pm 50$ kHz | ≥ 40 dB (except spurious) |
| 2.3.3. $f_0 \pm 200$ kHz | ≥ 60 dB (except spurious) |

- | | |
|--|---------------------|
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
|--|---------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 70.0-2300/07 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____