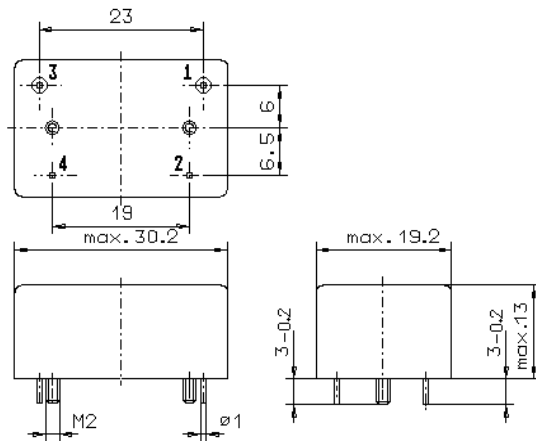


Specification for monolithic crystal filter:

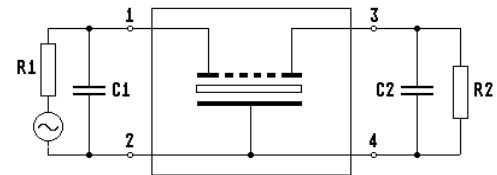
MQF 10.7-2200/04V0

1. General

1.1. Package:



GM15.1



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 10.7-2200/04V0 |
| 1.3. Number of poles: | 8 |
| 1.4. Operable temperature range: | -55°C to +105°C |
| 1.5. Operating temperature range: | -55°C to +95°C |
| 1.6. Storage temperature range: | -55°C to +105°C |

2. Electric values

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

2.2. Pass band

- | | |
|---|---|
| 2.2.1. Centre frequency f_m : | 10.7 MHz $\pm$ 500 Hz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq$ 22.0 kHz |
| 2.2.3. Group delay distortion (at $f_0 \pm 8.5$ kHz): | $\leq \pm 15 \mu s$ related to group delay at f_0 |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 4.0 dB |

2.3. Stop band

- | | |
|--|---|
| 2.3.1. $f_0 \pm 25$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 35$ kHz | ≥ 80 dB |
| 2.3.3. Spurious responses: | ≥ 65 dB |
| 2.4. Terminating impedance (input and output): | $9000 \Omega \pm 5 \% // -10 \text{ pF} \pm 1 \text{ pF}$ |
| 2.5. Maximum input power (P_{max}): | 10 mW |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 10.7-2200/04V0 |
|-------------|---|

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