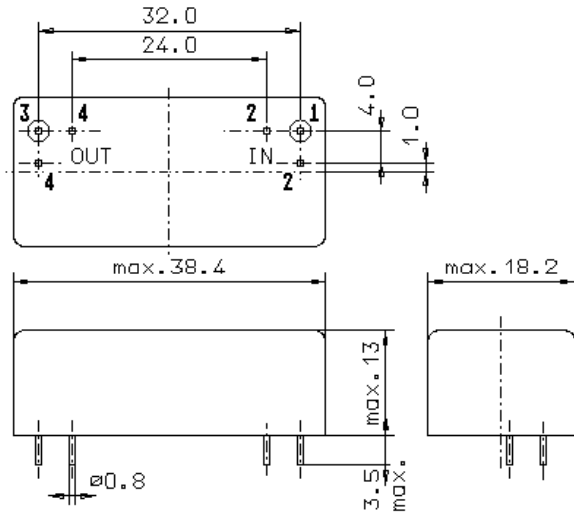


Specification for monolithic crystal filter:

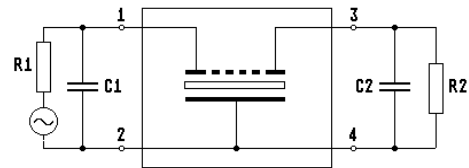
MQF 30.0 – 1000/08

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 30.0-1000/08 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | +0°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 30.0 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|-------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $> \pm 5$ kHz |
| 2.2.2. Ripple: | < 2.0 dB at $f_0 \pm 3$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 4.0 dB |

2.3. Stop band

- | | |
|------------------------------|-----------|
| 2.3.1. $f_0 \pm 15$ kHz | > 60 dB |
| 2.3.2. Alternate attenuation | > 60 dB |

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

- | | |
|-------------|---|
| 2.5. VSWR : | $< 2.0 : 1$ (reflexion loss < -9.55 dB) |
|-------------|---|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 30.0-1000/08 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____