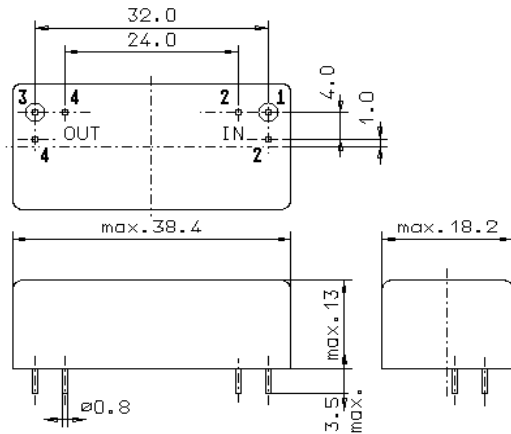


Specification for monolithic crystal filter:

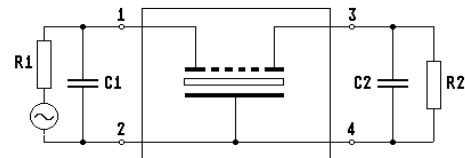
MQF 10.7-2500 / 10

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.7-2500/10 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

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

2.2. Pass band

- | | |
|---|--------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $> \pm 12.5$ kHz |
| 2.2.2. Ripple: | < 2.0 dB at $f_0 \pm 10$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 3.5 dB |

2.3. Stop band

- | | |
|--|-----------|
| 2.3.1. $f_0 \pm 30$ kHz | > 70 dB |
| 2.3.2. $f_0 \pm 40$ kHz | > 90 dB |
| 2.3.3. $f_0 \pm 40 \dots \dots \dots \pm 500$ kHz: | > 90 dB |
| 2.3.4. Spurious responses: | > 60 dB |

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

- | | |
|--|---|
| 2.5. Maximum input power level: | 14 dBm (30 dBm without destruction) |
| 2.6. Level linearity vs. input power at 10.7 MHz | < 0.1 dB (input power range -40 to -10 dBm) |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 10.7-2500/10 |
|-------------|---|

- | | |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF003 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____