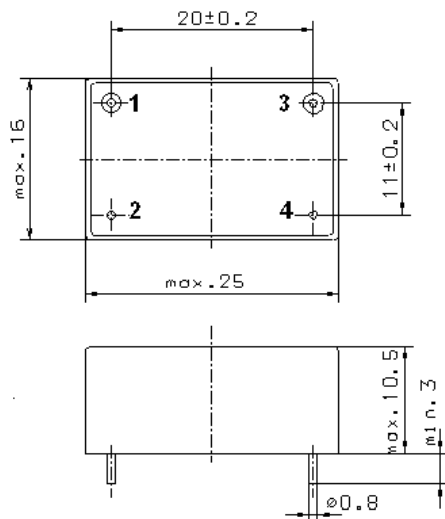


Specification for monolithic crystal filter:

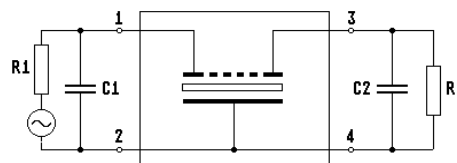
MQF 10.7-5000/19

1. General

1.1. Package:



GM47.1



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.7-5000/19 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -40°C to +75°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: | $\geq f_0 \pm 25$ kHz |
| 2.2.2 Ripple: | ≤ 1.5 dB at $f_0 \pm 15$ kHz |
| 2.2.3 Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 6.0 dB |

2.3. Stop band

- | | |
|--|-----------|
| 2.3.1. $f_0 \pm 80$ kHz: | > 35 dB |
| 2.3.2. Guaranteed attenuation: | > 65 dB |
| 2.3.3. Spurious responses $f_0 + 200$ kHz...+500 kHz | > 35 dB |

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

- | | |
|---|-----------------|
| 2.5. Maximum input power (working / non-damaged): | 0 dBm / +15 dBm |
|---|-----------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 10.7-5000/19 |
|-------------|---|

- | | |
|----------------------------|--|
| 4. Environment conditions: | Corresponding to MCHP general test procedure MCF-Com |
|----------------------------|--|

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