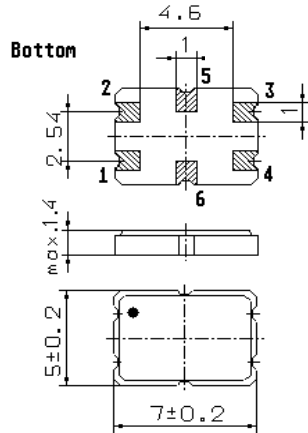


Specification for monolithic crystal filter:

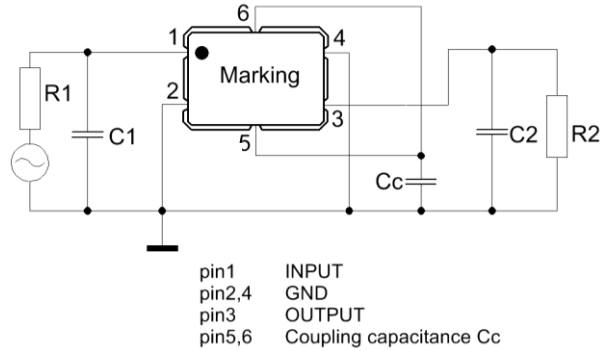
MQF 45.0 - 1200 / 14

1. General

1.1. Package:



GS 2



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-1200/14 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -40°C to +60°C |
| 1.5. Storage temperature range: | -55°C to +85°C |

2. Electric values

- | | |
|-----------------------------------|----------|
| 2.1. Nominal centre frequency fo: | 45.0 MHz |
|-----------------------------------|----------|

2.2. Pass band

- | | |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_o \pm 6.0$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_o \pm 4.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 2.5 dB |

2.3. Stop band

- | | |
|---------------------------|--------------|
| 2.3.1. $f_o \pm 12.5$ kHz | ≥ 15 dB |
| 2.3.2. $f_o - 910$ kHz | ≥ 80 dB |

- | | |
|--|------------------------|
| 2.4. Terminating impedance (input and output): | $550 \Omega // 3.0$ pF |
|--|------------------------|

- | | |
|---------------------------------|---------|
| 2.4.1. Coupling capacitance Cc: | 12.5 pF |
|---------------------------------|---------|

2.5 Intermodulation

- | | |
|--------------|-----------------------|
| frequency 1: | 45.05 MHz / 45.10 MHz |
| frequency 2: | 44.95 MHz / 44.90 MHz |
| input power: | -15 dBm |
| IM: | > 90 dB |

- | | |
|-------------|-----------------------|
| 3. Marking: | ● M45B10
date code |
|-------------|-----------------------|

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