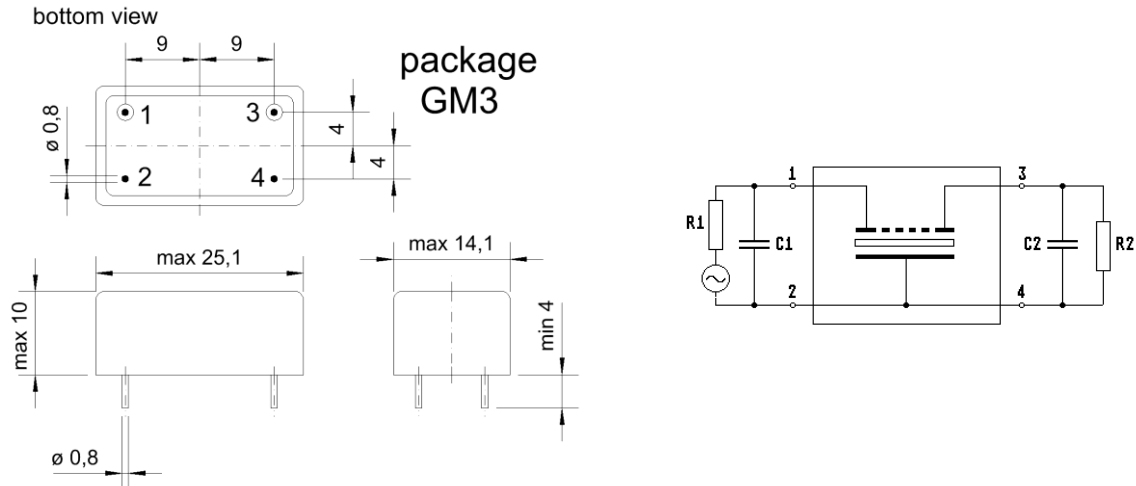


Specification for monolithic crystal filter:

MQF 45.0-3000/32

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-3000/32 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -55°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +85°C |

2. Electric values

- | | |
|--|---|
| 2.1. Nominal centre frequency f_0 : | 45.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $> f_0 \pm 15.0$ kHz |
| 2.2.2. Ripple: | < 1.0 dB at $f_0 \pm 10.0$ kHz |
| 2.2.3. Insertion loss: | < 4.0 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 62$ kHz | > 70 dB |
| 2.3.2. $f_0 \pm 73$ kHz | > 80 dB |
| 2.3.3. Spurious responses | > 50 dB |
| 2.3.4. Alternate Attenuation | > 80 dB (except spurious) |
| 2.4.1. Nominal input power level | +5 dBm |
| 2.4.2. Maximal input power level | +20 dBm |
| 2.5. Terminating impedance R/C (input and output): | $50 \Omega // 0$ pF |
| 3. Marking: | manufacturer, date code
MQF 45.0-3000/32 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |