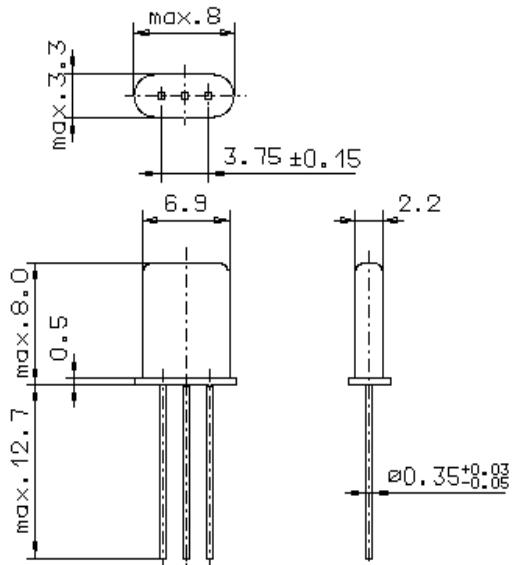


Specification for monolithic crystal filter:

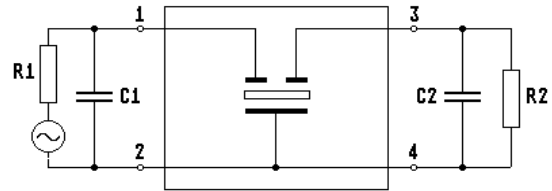
MQF 45.0-3000/01

1. General

1.1. Package:



GH9



- | | |
|-----------------------------------|---------------------|
| 1.2. Type name: | MQF 45.0-3000/01 |
| 1.3. Number of poles: | 2, fundamental mode |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -40°C to +95°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: | $\geq f_0 \pm 15.0$ kHz |
| 2.2.2. Ripple: | ≤ 1 dB at $f_0 \pm 10$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 2.0 dB |

2.3. Stop band

- | | |
|----------------------------|--------------|
| 2.3.1. $f_0 \pm 50$ kHz | ≥ 15 dB |
| 2.3.2. $f_0 - 910$ kHz | ≥ 65 dB |
| 2.3.3. Spurious responses: | ≥ 2 dB |

- | | |
|--------------------------------------------------|------------------------|
| 2.4. Terminating impedance (input and output): | $650 \Omega // 4.0$ pF |
|--------------------------------------------------|------------------------|

- | | |
|-------------|-----------------------------------------|
| 3. Marking: | manufacturer, date code
45.0-3000/01 |
|-------------|-----------------------------------------|

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

Edited by: _____ date: _____ name: _____