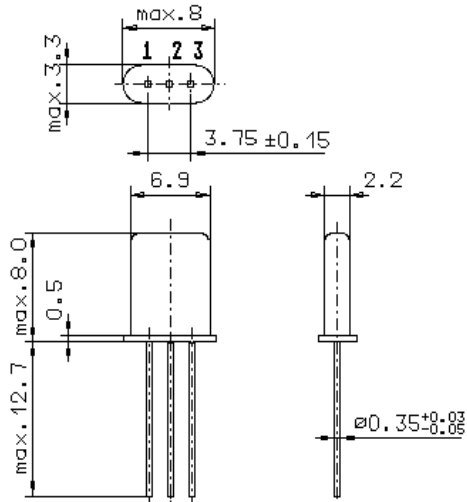


Specification for monolithic crystal filter:

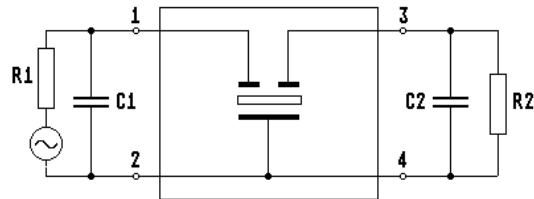
MQF 21.4-0750/25

1. General

1.1. Package:



GH9



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-0750/25 |
| 1.3. Number of poles: | 2 |
| 1.4. Operable temperature range: | -40°C to +80°C |
| 1.5. Operating temperature range: | -20°C to +70°C |
| 1.6. Storage temperature range: | -55°C to +105°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|-----------------------------------------------------------------------------|-------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 3.75$ kHz |
| 2.2.2. Ripple (at $f_0 \pm 2.0$ kHz): | ≤ 1.0 dB |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 1.5 dB |

2.3. Stop band

- | | |
|--------------------------------------|--------------|
| 2.3.1. $f_0 \pm 12.5$ kHz | ≥ 15 dB |
| 2.3.2. $f_0 \pm 30$ kHz | ≥ 30 dB |
| 2.3.3. $f_0 \pm 100$ kHz.....500 kHz | ≥ 40 dB |
| 2.3.4. Spurious responses: | ≥ 15 dB |

- | | |
|-------------------------------------------------------|------------------------|
| 2.4. Terminating impedance R//C (input and output): | 850 Ω // 6.0 pF |
|-------------------------------------------------------|------------------------|

- | | |
|-------------|-----------------------------------------|
| 3. Marking: | manufacturer, date code
21.4-0750/25 |
|-------------|-----------------------------------------|

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

Edited by: _____ date: _____ name: _____