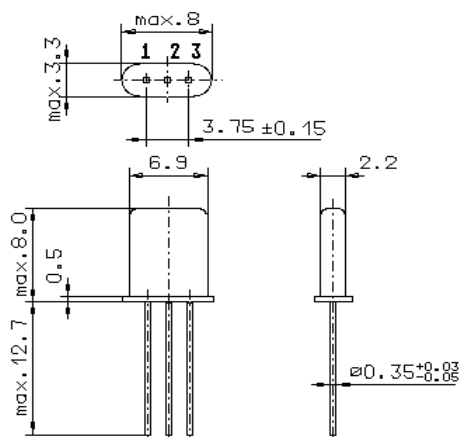


Specification for monolithic crystal filter:

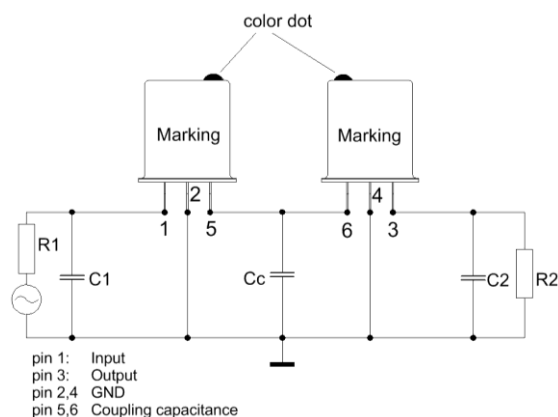
MQF 21.4-3000/02

1. General

1.1. Package: 2 x GH 9 (each filter consists of a pair of two matched duals)



GH9



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-3000/02 |
| 1.3. Number of poles: | 4 |
| 1.4. Operable temperature range: | -30°C to +80°C |
| 1.5. Operating temperature range: | -30°C to +70°C |
| 1.6. Storage temperature range: | -55°C to +80°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: | $\geq f_0 \pm 15$ kHz |
| 2.2.2. Ripple: | ≤ 1.5 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 | ≥ 40 dB |
| 2.3.2. $f_0 \pm 100$ kHz | ≥ 60 dB |
| 2.3.3. Spurious responses: | ≥ 14 dB |

2.4. Terminating impedance R/C (input and output): 2200 Ω // 0.5 pF

2.4.1. Coupling capacitance (Cc): 3.5 pF

3. Marking: manufacturer ("VI" or "TFT"), date code (YYWW)
21.4-3000/02

4. Environment conditions: Corresponding to Vectron standard CF001

5. Packing: bulk (maximum 250 pcs. / box)
card box dimension: (200 x 145 x 35) mm

Edited by: _____ date: _____ name: _____

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