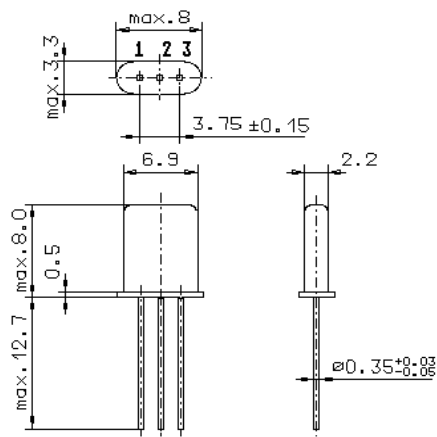


Specification for monolithic crystal filter

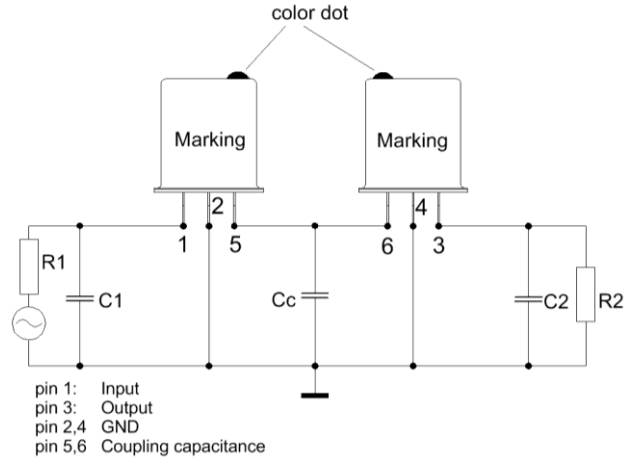
MQF 81.4-0400/06

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 81.4-0400/06 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

2.1. Nominal centre frequency f_0 : 81.4 MHz

2.2. Pass band

- | | |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 2.0$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_0 \pm 1.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 6.0 dB |

2.3. Stop band

- | | |
|-------------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 12$ kHz | ≥ 30 dB |
| 2.3.2. Alternate attenuation: | ≥ 40 dB (except spurious) |
| 2.3.3. Spurious responses: | ≥ 25 dB |

2.4. Terminating impedance (input and output): 1000 Ω // -0.3 pF

2.4.1. Coupling capacitance C_c : 2.0 pF

3. Marking: manufacturer, date code
81.4-
0400/06
OEM marking on demand

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: _____ date: _____ name: _____