Specification for monolithic crystal filter

MQF 70.0 - 2300/07

1. General

1.1. Package:

1.2. Type name: MQF 70.0-2300/07

1.3. Number of poles: 4

1.4. Operating temperature range: -40°C to +85°C

1.5. Storage temperature range: -55°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 70.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 11.5 kHz

2.2.2. Ripple: ≤ 2.0 dB at fo ± 8.0 kHz

2.2.3. Group delay distortion (-20°C to +70°C): ≤ 30 µs at fo ± 11.5 kHz

2.2.4. Insertion loss: (measured on smallest attenuation in pass band) ≤ 5.0 dB

2.3. Stop band

2.3.1. fo ± 30 kHz ≥ 20 dB

2.3.2. fo ± 50 kHz ≥ 40 dB (except spurious)

2.3.3. fo ± 200 kHz ≥ 60 dB (except spurious)

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

3. Marking: manufacturer, date code

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4. Environment conditions: Corresponding to Vectron CF001

Edited by: date: ____________________________ name: ____________________________