Specification for monolithic crystal filter

MQF 70.0-0660/06

1. General

1.1. Package:

1.2. Type name: MQF 70.0-0660/06

1.3. Number of poles: 6

1.4. Operating temperature range: -40°C to +75°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 2 dB - frequencies: ≥ fo ± 3.3 kHz

2.2.2. Ripple: ≤ 2.0 dB at fo ± 3.3 kHz

2.2.3. Group delay distortion at +20°C: ≤ 80 µs at fo ± 3.3 kHz

2.2.4. Insertion loss: ≤ 5.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 17.3 kHz ≥ 65 dB

2.3.2. fo ± 17.3 kHz.............. ± 1.0 MHz ≥ 65 dB ( except spurious )

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

5.1. Intermodulation

frequency 1: fo ± 50 kHz

frequency 2: fo ± 100 kHz

input power level: 0 dBm

IM: ≥ 64 dB

3. Marking: manufacturer, date code

MQF 70.0-0660/06

4. Environment conditions:

Corresponding to Vectron standard CF001

edited by: ___________________ date: ______________ name: ___________________