Specification for monolithic crystal filter

MQF 70.0-5000/13

1. General

1.1. Package:

1.2. Type name: MQF 70.0-5000/13

1.3. Number of poles: 6

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

1.5. Storage temperature range: -45°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 ± 25 kHz

2.2.2. Ripple: ≤ 2.0 dB at fo ± 17.5 kHz

2.2.3. Differential group delay: < 4.0 µs at fo ± 10.0 kHz

2.2.4. Insertion loss: ≤ 5.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 80 kHz ≥ 60 dB

2.3.2. fo ± 100 kHz ≥ 70 dB

2.3.3. Alternate attenuation ≥ 80 dB ( except spurious )

2.3.4. Spurious responses ≥ 50 dB

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 standard CF001

Edited by: ____________________________ date: ________________ name: ____________________________