Specification for monolithic crystal filter

MQF 70.425-3400/04

1. General

1.1. Package:

1.2. Type name: MQF 70.425-3400/04

1.3. Number of poles: 8

1.4. Operating temperature range: -20°C to +70°C

1.5. Operable temperature range: -55°C to +105°C

1.6. Storage temperature range: -55°C to +125°C

2. Electric values

2.1. Nominal centre frequency fo: 70.425 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 17 kHz

2.2.2. Ripple: ≤ 2.0 dB at fo ± 12 kHz

2.2.3. Group delay distortion: ≤ 50 µs at fo ± 12.5 kHz

2.2.4. Insertion loss: ≤ 5.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 30 kHz ≥ 30 dB

2.3.2. fo ± 50 kHz ≥ 60 dB

2.3.3. fo ± 0.1…10 MHz ≥ 80 dB ( except spurious )

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

2.5. Maximum input power level: 0 dBm / +10 dBm ( working / non-damaged )

3. Marking:

manufacturer, date code

OEM marking on demand

4. Environment conditions:

Corresponding to Vectron standard CF010

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Edited by: __________________________ date: ______________________ name: ________________