Specification for monolithic crystal filter

MQF 70.0 - 1400/03

1. General
1.1. Package:

1.2. Type name: MQF 70.0-1400/03
1.3. Number of poles: 6
1.4. Operating temperature range: -40°C to +80°C
1.5. Storage temperature range: -55°C to +90°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 ± 7.0 kHz at +25°C
2.2.2. Ripple: < 2.0 dB at fo ± 6.5 kHz at +25°C
2.2.3. Insertion loss: < 6.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fo ± 10 kHz > 6 dB at +25°C
2.3.2. fo ± 20 kHz > 40 dB
2.3.3. fo ± 40 kHz > 80 dB
2.3.4. Alternate attenuation: > 80 dB ( except spurious )

2.4. Terminating impedance ( input and output ): 75Ω // 0 pF
2.5. Intermodulation
frequency 1: fo ± 20 kHz
frequency 2: fo ± 40 kHz
input power level: -10 dBm
IM: > 70 dB

2.6. Maximum input power level: -10 dBm / 0 dBm ( operating / without damage )

3. Marking: manufacturer, date code
MQF 70.0-1400/03

4. Environment conditions: Corresponding to Vectron standard CF010

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