Specification for monolithic crystal filter: MQF 70.0 – 1500/19

1. General
1.1. Package:

![Package Diagram]

1.2. Type name: MQF 70.0-1500/19
1.3. Number of poles: 4
1.4. Operating temperature range: -5°C to +55°C
1.5. Storage temperature range: -20°C to +70°C

2. Electric values
2.1. Nominal centre frequency fo: 70.0 MHz
2.2. Pass band
2.2.1. Centre frequency fc: 70.0 MHz ± 1.5 kHz
2.2.2. Bandwidth between 6 dB - frequencies: > fo ± 7.5 kHz
2.2.3. Ripple in pass band: Gaussian
2.2.4. Absolute group delay at fo: < 60 µs
2.2.5. Differential group delay ( fo ± 7.5 kHz ): < 10 µs
2.2.6. Phase linearity ( fo ± 7.5 kHz ): < ± 1.5 deg. ( typical at +25°C ± 0.7 deg. )
2.2.7. Insertion loss: < 6.0 dB (measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fo ± 30 kHz > 35 dB
2.3.2. fo ± 100 kHz > 70 dB
2.3.3. Spurious responses : > 30 dB ( fo +30 kHz…..fo +2.0 MHz )

2.4. Terminating impedance ( input and output ): 50 Ω // 0 pF
2.5. Maximum input power level: 0 / +15 dBm ( working / non-damaged )

3. Marking:
manufacturer, date code
MQF 70.0-1500/19

4. Environment conditions: according to Vectron standard CF001

Edited by: ___________________________ date: ___________________________ name: ___________________________