Specification for monolithic crystal filter: MQF 90.0 – 2500/09

1. General
1.1. Package:

1.2. Type name: MQF 90.0-2500/09
1.3. Number of poles: 4
1.4. Operating temperature range: -20°C to +55°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 90.0 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > ± 10.0 kHz
2.2.2. Ripple: < 1.0 dB at fo ± 6.0 kHz
2.2.3. Insertion loss: < 6.0 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 25 kHz > 19 dB
2.3.2. fo ± 50 kHz > 34 dB
2.3.3. Alternate attenuation: fo + 0.5…1.0 MHz > 40 dB
2.3.4. Alternate attenuation: fo - 0.3…1.0 MHz > 70 dB
2.4. Group delay: fo ± 9.0 kHz < 20 µs
2.5. Terminating impedance (input and output): 380 Ω // 2.5 pF
2.5.1. Coupling capacitance: 7.0 pF
2.6. Nominal input power level: -10 dBm

3. Marking:

4. Environment conditions: according to Vectron standard CF001
5. Taping: tape & reel, maximum 1000 pcs. / reel

Edited by: ____________________________ date: ________________ name: ____________________________