Specification for monolithic crystal filter: MQF 73.125 - 1500/02

1. General
1.1. Package:

1.2. Type name: MQF 73.125-1500/02
1.3. Number of poles: 4
1.4. Operating temperature range: -30°C to +85°C
1.5. Storage temperature range: -40°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 73.125 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 7.5 kHz
2.2.2. Ripple: < 1.0 dB at fo ± 4.5 kHz
2.2.3. Insertion loss: < 5.0 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 25 kHz > 20 dB
2.3.2. fo ± 50 kHz > 40 dB
2.3.3. alternate attenuation fo ± 100 kHz > 50 dB (except spurious)
      fo ± 1000 kHz > 70 dB
2.4. Group delay distortion fo ± 7.5 kHz < 35 µs
2.4.1. Absolute Group delay fo < 65 µs
2.5. Terminating impedance R/C (input and output): 350 Ω // 2.5 pF
2.5.1. Coupling capacitance 13 pF

2.6. Input power level for reference measurement: 0 dBm
2.6.1. Maximum input power level without destruction: +10 dBm

2.7. Out band Intermodulation
2.7.1. frequency 1: fo ± 50 kHz
2.7.2. frequency 2: fo ± 100 kHz
2.7.3. Input power level: -24 dBm
2.7.4. IM: > 75 dB

3. Marking: M73125 yyww

4. Environment conditions: Corresponding to Vectron standard CF001

5. Filters are Pb-free and 2002/95/EC RoHS compliant

Edited by: _______________________________ name: _______________________________