Specification for monolithic crystal filters: MQF 121.975 - 3000/02

1. General
1.1. Package:

1.2. Number of poles: 4
1.3. Operable temperature range: -15°C to +80°C
1.4. Operating temperature range: -10°C to +70°C
1.5. Storage temperature range: -25°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 121.975 MHz
2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 15 kHz
2.2.2. Ripple in pass band: ≤ 2.0 dB at fo ± 12 kHz
2.2.3. Insertion loss: ≤ 6.0 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 75 kHz: ≥ 25 dB
2.3.2. fo ± 150 kHz: ≥ 30 dB
2.3.3. Alternate attenuation: ≥ 60 dB
2.3.4. Spurious responses: ≥ 5 dB

2.4. Terminating impedance (input and output): 50 Ω // 0 pF
2.5. VSWR (at fo ± 12 kHz): ≤ 2.5 (corresponding 7.4 dB)

3. Marking:
Manufacturer, date code
MQF 121.975-3000/02

4. Environment conditions:
Corresponding to Vectron standard CF001

Edited by: ___________________________ date: ___________________________ name: ___________________________