Specification for monolithic crystal filter: **MQF 21.4 - 3000 / 37 V0**

1. General

1.1. Package:

![Diagram of package](image)

1.2. Type name: MQF 21.4-3000/37V0

1.3. Number of poles: 6

1.4. Operating temperature range: -10°C to +70°C

1.5. Storage temperature range: -35°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 21.4 MHz

2.2. Pass band

2.2.1. Centre frequency fc: 21.4 MHz ± 1300 Hz

2.2.2. Bandwidth between 6 dB - frequencies: ≥ fc ± 15 kHz

2.2.3. Ripple: Gaussian

2.2.4. Group delay distortion (at fc ± 15 kHz): ≤ 5.0 µs

2.2.5. Insertion loss: ≤ 4.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fc ± 56 kHz ≥ 60 dB

2.3.2. Alternate attenuation (fo ± 1.2 MHz……5 MHz) ≥ 90 dB (except spurious)

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

2.5. Intermodulation

IP 3: > 30 dBm

frequencies: 21.50 MHz / 21.60 MHz

input power: 0 dBm

IM: > 60 dB

3. Marking: manufacturer, date code

MQF 21.4-3000/37V0

4. Environment conditions: Corresponding to Vectron CF001

Edited by: ___________________________ date: ________________ name: ______________________