Specification for crystal filter: **QF 21.4 - 20000/06V0**

1. General

1.1. Package

![Diagram of crystal filter package]

1.2. Type name: QF 21.4-20000/06V0

1.3. Number of poles: 4

1.4. Operating temperature range: -30°C to +70°C

1.5. Storage temperature range: -40°C to +90°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 ± 7.5 kHz

2.2.2. Bandwidth between 3 dB - frequencies: ≥ fo ± 100 kHz

2.2.3. Ripple: ≤ 1.5 dB at fo ± 80 kHz

2.2.4. Insertion loss: ≤ 8 dB

2.2.5. Return loss: > 9 dB at fo ± 80 kHz

2.3. Stop band

2.3.1. fo ± 400 kHz: ≥ 60 dB (except spurious )

2.3.2. fo ± 2.5 MHz...± 5 MHz: ≥ 90 dB (except spurious )

2.3.3. Spurious responses: ≥ 55 dB

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

2.5. Intermodulation

- frequency 1: 21.60 MHz / 21.80 MHz
- frequency 2: 21.20 MHz / 21.00 MHz
- input power: 0 dBm
- IM: > 60 dB

3. Marking: manufacturer, date code

QF 21.4-20000/06V0

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ___________________________ date: __________ name: ___________________________