Specification for monolithic crystal filter:  

**MQF 21.4 - 1500/73**

1. **General**

1.1. **Package:**

1.2. Type name: MQF 21.4-1500/73

1.3. Number of poles: 2

1.4. Operating temperature range: -20°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. Bandwidth between 3 dB - frequencies: ≥ fo ± 7.5 kHz

2.2.2. Ripple: ≤ 0.5 dB at fo ± 4.0 kHz

2.2.3. Insertion loss: 

( measured on smallest attenuation in pass band )

≤ 1.5 dB

2.3. **Stop band**

2.3.1. fo ± 25 kHz ≥ 18 dB

2.3.2. fo ± 40 kHz ≥ 25 dB

2.3.3. fo ± 150 kHz........... ± 500 kHz ≥ 40 dB ( except spurious )

2.4. Terminating impedance R/C ( input and output ): 1500 Ω // 2.5 pF

3. **Marking:**

manufacturer, date code

21.4-1500/73

4. **Environment conditions:**

Corresponding to Vectron standard CF001

5. **Reflow soldering for Pb-free assembly:**

> 100°C for maximum 600 seconds

> 200°C for maximum 180 seconds

> 260°C for maximum 30 seconds ( peak temperature ) cool - down time: 2 hours

6. **Packing:**

tape & reel with maximum 1000 pcs./reel

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Edited by: ______________________ date: ______________________ name: ______________________