Specification for monolithic crystal filter:  **MQF 21.4-1200/02**

1. **General**

1.1. Package: 2 x GH9 (each filter consists of a pair of two matched packages GH9)

![Diagram of GH9 package]

1.2. Type name: MQF 21.4-1200/02

1.3. Number of poles: 4

1.4. Operable temperature range: -30°C to +80°C

1.5. Operating temperature range: -25°C to +70°C

1.6. Storage temperature range: -55°C to +80°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: \( \geq fo \pm 6.0 \text{ kHz} \)

2.2.2. Ripple: \( \leq 1.0 \text{ dB at } fo \pm 4.5 \text{ kHz} \)

2.2.3. Insertion loss: \( \leq 2.0 \text{ dB} \) (measured on smallest attenuation in pass band)

2.3. **Stop band**

2.3.1. fo \( \pm 20 \text{ kHz} \) \( \geq 40 \text{ dB} \)

2.3.2. fo + 50 kHz......+1000 kHz \( \geq 65 \text{ dB} \)

2.3.3. fo - 100 kHz......-1000 kHz \( \geq 80 \text{ dB} \)

2.3.4. Spurious responses: \( \geq 40 \text{ dB} \)

2.4. Terminating impedance R/C (input and output): 1200 Ω // 2.5 pF

2.4.1. Coupling capacitance Cc: 9.0 pF

3. **Marking:**

manufacturer, date code
21.4-1200/02

4. **Environment conditions:**

Corresponding to Vectron standard CF001

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Edited by: ________________________  date: ________________________  name: ________________________