Specification for monolithic crystal filter: **MQF 21.4-4600/03**

1. **General**
   1.1. Package:

   ![Crystal Filter Diagram]

1.2. Type name: MQF 21.4-4600/03
1.3. Number of poles: 6
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -55°C to +85°C

2. **Electric values**

2.1. Nominal centre frequency $f_0$: 21.4 MHz

2.2. **Pass band**

   2.2.1. Centre frequency $f_c$: 21.4 MHz ± 650 Hz
   2.2.2. Bandwidth between 3 dB - frequencies: ≥ $f_c ± 23$ kHz
   2.2.3. Ripple: ≤ 2.0 dB at $f_c ± 18.0$ kHz
   2.2.4. Insertion loss: ≤ 3.0 dB
      (measured on smallest attenuation in pass band)

2.3. **Stop band**

   2.3.1. $f_0 ± 120$ kHz........± 300 kHz ≥ 70 dB
   2.3.2. $f_0 ± 300$ kHz........± 20 MHz ≥ 80 dB
   2.3.3. Spurious responses: ≥ 55 dB

2.4. Terminating impedance (input and output): 2700 Ω // -0.5 pF

3. **Marking:**

   manufacturer, date code
   21.4-4600/03

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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Edited by: ____________________________ date: ____________________________ name: ____________________________