 Specification for monolithic crystal filter:  

**MQF 21.4 - 1500/61V0**

1. **General**
   1.1. Package:
   ![Diagram of package]
   1.2. Type name:
   MQF 21.4 - 1500/61V0
   1.3. Number of poles: 8
   1.4. Operable temperature range: -20°C to +85°C
   1.5. Operating temperature range: -10°C to +70°C
   1.6. Storage temperature range: -40°C to +90°C

2. **Electric values**
   2.1. Nominal centre frequency $f_0$: 21.4 MHz
   2.2. **Pass band**
   2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 7.5$ kHz
   2.2.2. Ripple: $\leq 2.0$ dB at $f_0 \pm 5.0$ kHz
   2.2.3. Insertion loss: $\leq 4.0$ dB
      (measured on smallest attenuation in pass band)
   2.2.4. Group delay distortion: $\leq 80 \mu$s at $f_0 \pm 7.5$ kHz
   2.3. **Stop band**
   2.3.1. $f_0 \pm 22.5$ kHz $\geq 60$ dB
   2.3.2. $f_0 \pm 500$ kHz........+$5$ MHz $\geq 90$ dB (except spurious)
   2.4. Terminating impedance (input and output): 50 $\Omega$ // 0 pF
   2.5 Intermodulation (IP 3: $> 30$ dBm)
   test tones frequencies: 21.415 MHz / 21.430 MHz
   input power: 0 dBm
   IM: $> 60$ dB down from either of the two 0 dBm input test tones

3. **Marking:**
   Manufacturer, date code
   MQF 21.4 - 1500/61V0

4. **Environment conditions:**
   Corresponding to Vectron standard CF001

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Edited by: _____________________________
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