Specification for monolithic crystal filter: **MQF 21.4-1500/52**

1. **General**
   1.1. Package:

   ![Diagram of package]

   1.2. Type name: MQF 21.4-1500/52
   1.3. Number of poles: 10
   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 $f_0$: 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 $f_0 \pm 6.0$ kHz
   2.2.3. Insertion loss:
   
   (measured on smallest attenuation in pass band)
   
   $\leq 4.0$ dB

2.3. **Stop band**

   2.3.1. $f_0 \pm 15$ kHz
   2.3.2. $f_0 \pm 20$ kHz........ $\pm 500$ kHz
   
   $\geq 70$ dB
   $\geq 80$ dB (except spurious)

2.4. **Terminating impedance (input and output):** 50 $\Omega$ // 0 pF

3. **Marking:**

   Manufacturer, date code

   MQF 21.4-1500/52

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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Edited by: ___________________________ date: ___________________________ name: ___________________________