Specification for monolithic crystal filter: **MQF 21.4-1500/31
2722 172 90097**

1. **General**
   1.1. Package:

   - Type name: MQF 21.4-1500/31
   - Number of poles: 8
   - Operable temperature range: -30°C to +80°C
   - Operating temperature range: -25°C to +70°C
   - 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: \( \geq fo \pm 7.5 \text{ kHz} \)
      2.2.2. Ripple: \( \leq 2.0 \text{ dB at } fo \pm 6.0 \text{ kHz} \)
      2.2.3. Insertion loss:
              \( \leq 3.0 \text{ dB} \)
              (measured on smallest attenuation in pass band)
   2.3. **Stop band**
      2.3.1. \( fo \pm 17.5 \text{ kHz} \) \( \geq 65 \text{ dB} \)
      2.3.2. \( fo \pm 25 \text{ kHz}.........\pm 300 \text{ kHz} \) \( \geq 90 \text{ dB} \)
   2.4. Terminating impedance (input and output): 1600 Ω // 1.5 pF
   3. Marking: manufacturer, date code
              21.4-1500/31
   4. Environment conditions: Corresponding to Vectron standard CF001

5. Filters are Pb-free and 2002/95/EC RoHS compliant

Edited by: date: ___________________________ name: ___________________________