Specification for monolithic crystal filter:

**MQF 21.4-3000/55**

1. **General**
   1.1. Package:

   ![Diagram of MQF 21.4-3000/55 package]

   1.2. Type name: MQF 21.4-3000/55
   1.3. Number of poles: 10
   1.4. Operating temperature range: -40°C to +85°C
   1.5. Storage temperature range: -55°C to +105°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: > \( f_0 \pm 15 \) kHz
   2.2.2. Ripple: < 2.0 dB at \( f_0 \pm 12.0 \) kHz
   2.2.3. Insertion loss: < 4.0 dB
      (measured on smallest attenuation in pass band)

2.3. **Stop band**

   2.3.1. \( f_0 \pm 30 \) kHz: > 70 dB
   2.3.2. \( f_0 \pm 40 \ldots 500 \) kHz: > 80 dB (except spurious)
   2.3.3. Alternate attenuation: > 80 dB (except spurious)

2.4. Terminating impedance \( R/C \) (input and output): 50 \( \Omega \) // 0 \( \text{pF} \)

2.5. Maximum input power (working / non-damaged): +10 dBm / +25 dBm

3. **Marking:**
   manufacturer, date code
   OUT \hspace{2cm} IN
   MQF 21.4-3000/55

4. **Environment conditions:**
   Corresponding to Vectron standard CF 001

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Edited by: ____________________________  date: ____________________________  name: ____________________________