Specification for monolithic crystal filter  **MQF 10.7-2400/07**

1. **General**
   1.1. Package:
   1.2. Type name: MQF 10.7-2400/07
   1.3. Number of poles: 8
   1.4. Operable temperature range: -55°C to +80°C
   1.5. Operating temperature range: -55°C to +70°C
   1.6. Storage temperature range: -55°C to +85°C

2. **Electric values**
   2.1. Nominal centre frequency \( f_0 \): 10.7 MHz
   2.2. **Pass band**
       2.2.1. Centre frequency \( f_c \) (at 25°C): 10.7 MHz ± 200 Hz
       2.2.2. Bandwidth between 3 dB - frequencies: \( f_0 \pm 12 \) kHz
       2.2.3. Ripple: \( f_0 \pm 10.0 \) kHz
       2.2.4. Insertion loss:
       (measured on smallest attenuation in pass band)
       \( \leq 4.5 \) dB
   2.3. **Stop band**
       2.3.1. \( f_0 \pm 20 \) kHz
       \( \geq 40 \) dB
       2.3.2. \( f_0 \pm 25 \) kHz
       \( \geq 60 \) dB
       2.3.3. Alternate attenuation \( f_0 \pm 50 \) kHz
       \( \geq 90 \) dB
   2.4. Terminating impedance (input and output):
       2700 Ω // 25 pF

3. **Marking**:
   manufacturer, date code
   MQF 10.7-2400/07

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

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Edited by: [Name]
Date: _____________________________
Name: _________________________________