Specification for monolithic crystal filter: **MQF 10.7-1500/29**

1. **General**
   1.1. Package:

   ![Diagram of MQF10.7-1500/29](image)

   1.2. Type name: MQF 10.7-1500/29
   1.3. Number of poles: 6
   1.4. Operating temperature range: -55°C to +85°C
   1.5. 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. Bandwidth between 3 dB - frequencies: \( \geq 7.5 \text{ kHz} \)
   2.2.2. Ripple: \( \leq 1.5 \text{ dB at } f_0 \pm 5.0 \text{ kHz} \)
   2.2.3. Insertion loss: \( \leq 3.5 \text{ dB} \)

   (measured on smallest attenuation in pass band)

2.3. **Stop band**

   2.3.1. \( f_0 \pm 25 \text{ kHz} \): \( \geq 60 \text{ dB} \)
   2.3.2. Alternate Attenuation: \( \geq 80 \text{ dB} \)
   2.3.3. Spurious responses: \( \geq 60 \text{ dB} \)

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

3. **Marking:**

   manufacturer, date code
   MQF 10.7-1500/29

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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Edited by: ____________________________  name: ____________________________