Specification for crystal filter: **Q F 10.7-10000/08**

1. **General**
   1.1. Package:

   ![Diagram of Package](image)

   1.2. Type name: QF 10.7-10000/08
   1.3. Number of poles: 4
   1.4. Operating temperature range (OTR): -40°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: \( > f_0 \pm 50 \text{ kHz} \)
       2.2.2. Ripple: \( < 2.0 \text{ dB at } f_0 \pm 25 \text{ kHz} \)
       2.2.3. Group delay distortion: \( < 3.0 \mu \text{ s at } f_0 \pm 25 \text{ kHz} \)
       2.2.4. Insertion loss: \( < 5.0 \text{ dB} \)
           (measured on smallest attenuation in pass band)
   2.3. **Stop band**
       2.3.1. \( f_0 \pm 200 \text{ kHz} \): \( > 40 \text{ dB (except spurious)} \)
       2.3.2. Alternate attenuation: \( > 80 \text{ dB (except spurious)} \)
   2.4. Terminating impedance (input and output): \( 50 \Omega \parallel 0 \text{ pF} \)
   2.5. Maximum input power level without damage: \( +10 \text{ dBm} \)

3. **Marking**
   - Manufacturer, date code
   - QF 10.7-10000/08

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

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