Specification for monolithic crystal filter:  

**MQF 10.7-1500/22**

1. **General**
   1.1. Package:

   ![Diagram of package]

   1.2. Type name: MQF 10.7-1500/22
   1.3. Number of poles: 6
   1.4. Operating temperature range: -40°C to +80°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: $\geq f_0 \pm 7.5$ kHz
   2.2.2. Ripple: $\leq 2.0$ dB at $f_0 \pm 6.0$ kHz
   2.2.3. Insertion loss: $\leq 3.0$ dB

   (measured on smallest attenuation in pass band)

   2.3. **Stop band**

   2.3.1. $f_0 \pm 17.5$ kHz $\geq 50$ dB
   2.3.2. $f_0 \pm 25$ kHz $\geq 65$ dB
   2.3.3. $f_0 \pm 50$ kHz ....... $\pm 500$ kHz $\geq 80$ dB (except spurious)

   2.4. Terminating impedance (input and output): $3300 \Omega / 0.5$ pF
   2.5. Maximum input power level: $+10$ dBm / $+30$ dBm (working / non-damaged)

3. **Marking:**

   Manufacturer, date code

   10.7-1500/22

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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