Specification for monolithic crystal filter:  

**MQF 10.7-1500/53**

1. **General**
   1.1. Package:
   1.2. Type name: MQF 10.7-1500/53
   1.3. Number of poles: 6
   1.4. Operating temperature range: -20°C to +70°C
   1.5. Storage temperature range: -45°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: > $f_0 \pm 7.5$ kHz
      2.2.2. Ripple: < 1.5 dB at $f_0 \pm 5.0$ kHz
      2.2.3. Insertion loss: < 2.0 dB (measured on smallest attenuation in pass band)
   2.3. **Stop band**
      2.3.1. $f_0 \pm 25$ kHz > 60 dB
      2.3.2. Alternate attenuation > 80 dB (except spurious)
   2.4. Terminating impedance (input and output): 100 Ω // 0 pF
   2.5. Maximum input power level: +10 / +20 (working / non-damaged)
   2.6. Intermodulation (Inband)
      frequency 1: 10.699 MHz
      frequency 2: 10.701 MHz
      input power level at pin 1 (input): 0 dBm
      IM (IP3 > +33 dBm): > 66 dB (down from both 0 dBm tones)

3. **Marking**: manufacturer, date code
   MQF 10.7-1500/53

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

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