Specification for monolithic crystal filter:  

**MQF 70.0 – 1500/17**

1. **General**

1.1. Package:

![Diagram of package]

1.2. Type name: MQF 70.0-1500/17

1.3. Number of poles: 6

1.4. Operating temperature range: 0°C to +70°C

1.5. Storage temperature range: -45°C to +85°C

2. **Electric values**

2.1. Nominal centre frequency $f_0$: 70.0 MHz

2.2. **Pass band**

2.2.1. Bandwidth between 3 dB - frequencies: $> \pm 7.5$ kHz

2.2.2. Ripple: $< 2.0$ dB at $f_0 \pm 5$ kHz

2.2.3. Insertion loss: $< 5.0$ 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 $> 60$ dB (except spurious)

2.3.3. Spurious responses for $f > f_0 + 60$ kHz $> 40$ dB

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

2.5. **VSWR:** $< 2.0 : 1$ (return loss $> 9.55$ dB)

3. **Marking:**

   manufacturer, date code  
   MQF 70.0-1500/17

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

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Edited by: ___________________________  date: ___________________________  name: ___________________________