 Specification for monolithic crystal filter:  

**MQF 70.0 - 1000/16**

1. General

1.1. Package:

1.2. Type name: MQF 70.0-1000/16

1.3. Number of poles: 4

1.4. Operating temperature range: 0°C to +50°C

1.5. Storage temperature range: -55°C to +105°C

2. Electric values

2.1. Nominal centre frequency $f_0$: 70.0 MHz

2.1.1. Center frequency $f_c$ at +25°C: 70.0 MHz ± 1.5 kHz

2.1.2. $f_c$ in OTR: 70.0 MHz ± 2.0 kHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: $> f_c ± 4.5$ kHz

2.2.2. Ripple: peak to peak $< 1.0$ dB

2.2.3. Insertion loss: $< 5.0$ dB (measured on smallest attenuation in pass band)
2.3. **Stop band**

2.3.1. fo ± 16 kHz > 40 dB
2.3.2. Alternate attenuation > 70 dB (except spurious)

2.4. **Terminating impedance R/C (input and output):** 2300 Ω // -0.3 pF

2.4.1. Coupling capacitance C_C: 0.3 pF

3. **Marking:**

   - manufacturer, date code
   - 70.0-1000/16

4. **Taping:**

   **Taping for MQF 70.0-1000/16**
   **maximum 200 pcs. / reel**

5. **Environment conditions:**

   - Corresponding to Vectron MIL Standard

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Edited by: ____________________________ date: ____________________________ name: ____________________________