Specification for monolithic crystal filter: **MQF 11.5-1700/04**

1. **General**
   1.1. Package:
   
   1.2. Type name: MQF 11.5-1700/04
   
   1.3. Number of poles: 8
   
   1.4. Operable temperature range: -40°C to +85°C
   
   1.5. Operating temperature range: -40°C to +70°C
   
   1.6. Storage temperature range: -55°C to +105°C

2. **Electric values**

2.1. Nominal centre frequency $f_0$: 11.5 MHz

2.2. **Pass band**

2.2.1. Centre frequency $f_c$: 11.5 MHz ± 300 Hz

2.2.2. Bandwidth between 3 dB - frequencies: ≥ $f_0$ ± 8.5 kHz

2.2.3. Ripple: ≤ 2.0 dB at $f_0$ ± 5.0 kHz

2.2.4. Insertion loss: (measured on smallest attenuation in pass band) ≤ 3.5 dB

2.3. **Stop band**

2.3.1. $f_0$ ± 17.5 kHz ≥ 70 dB

2.3.2. $f_0$ ± 910 kHz ≥ 90 dB

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

3. **Marking:**

   manufacturer, date code

   MQF 11.5-1700/04

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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