Specification for monolithic crystal filter: **MQF 10.7-5000/10V0**

1. **General**

1.1. Package:

1.2. Type name: MQF 10.7-5000/10V0

1.3. Number of poles: 6

1.4. Operating temperature range: -20°C to +70°C

1.5. Storage temperature range: -40°C to +85°C

2. **Electric values**

2.1. Nominal centre frequency fo: 10.7 MHz

2.2. **Pass band**

2.2.1. Centre frequency fc: 10.7 MHz ± 1.0 kHz

2.2.2. Bandwidth between 3 dB - frequencies: ≥ 50 kHz

2.2.3. Ripple: ≤ 1.5 dB at fo - 18 kHz < f < fo + 15 kHz

2.2.4. Insertion loss: ≤ 4.0 dB (measured on smallest attenuation in pass band)

2.2.5. Group delay distortion: < 16 µs at fo ± 18 kHz

2.3. **Stop band**

2.3.1. Bandwidth between 70 dB - frequencies: < 150 kHz

2.3.2. Alternate attenuation: > 80 dB

2.3.3. Spurious responses (at 50 kHz…….250 kHz)

   generally: > 50 dB

   with one exception: > 40 dB

2.4. Terminating impedance (input and output): 910 Ω // 25 pF

3. **Marking:**

   manufacturer, date code

   MQF 10.7-5000/10V0

   10.7 MHz, B3 = 50 kHz

4. **Environment conditions:**

   Corresponding to Vectron standard CF001

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Edited by: ____________________________ name: ____________________________