Specification for monolithic crystal filter: **QF 10.7003-0050/03**

1. **General**
   1.1. **Package**: 

   ![Package Diagram]

   1.2. Type name: QF 10.7003-0050/03
   1.3. Number of poles: 4
   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: 10.7003 MHz
   2.2. **Pass band**
      2.2.1. Centre frequency fc at +25°C: 10.7003 MHz ± 100 Hz
      2.2.2. Bandwidth between 3-dB frequencies: > fc ± 250 Hz
      2.2.3. Maximum 3-dB bandwidth: 650 Hz
      2.2.4. Ripple in pass band: < 1.0 dB (peak to peak)
      2.2.5. Insertion loss: < 3.5 dB
   (measured on smallest attenuation in pass band)
   2.3. **Stop band**
      2.3.1. fc ± 5.0 kHz > 60 dB
      2.3.2. Alternate attenuation > 80 dB (except spurious)
   2.4. Terminating impedance (input and output): 50 Ω // 0 pF
   2.5. Maximum input power level: +10 / +20 (working / non-damaged)
   2.6. Intermodulation: 
      frequency 1: 10.6993 MHz
      frequency 2: 10.7013 MHz
      input power level at pin 1 (input): 0 dBm
      IM (IP3 > +33 dBm): > 66 dB (referred to input power level)

3. **Marking**: 
   manufacturer, date code
   QF 10.7003-0050/03
   OEM marking on demand

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

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Edited by: ___________________________ date: ___________________________ name: ___________________________