Specification for crystal filter: QF 70.0 - 4000/09

1. General
1.1. Package:

1.2. Type name: QF 70.0-4000/09
1.3. Number of poles: 4
1.4. Operating temperature range: -40°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 70.0 MHz
2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies:
   at -20°C to +70°C ≥ fo ± 18.5 kHz
   at -20°C to +70°C ≥ fo ± 20.0 kHz
2.2.2. Group delay distortion in the range:
   at -20°C to +70°C ≤ 3.0 µs at fo ± 18.5 kHz
   at -20°C to +70°C ≤ 2.5 µs at fo ± 20.0 kHz
2.2.3. Insertion loss:
   (measured on smallest attenuation in pass band) ≤ 5 dB
2.3. Stop band
2.3.1. fo ± 100 kHz ≥ 40 dB
       fo ± 95 kHz ≥ 40 dB
   at -20°C to +70°C
2.3.2. Alternate attenuation:
   ≥ 50 dB (except spurious)
2.4. Terminating impedance (input and output):
   50 Ω // 0 pF
3. Marking:
   manufacturer, date code
   QF 70.0-4000/09
4. Environment conditions:
   Corresponding to Vectron standard CF001

Edited by: __________________________ date: ___________ name: __________________________