Specification for crystal filter: QF 70.0 - 4000 / 07

1. General
1.1. Package:

1.2. Type name: QF 70.0-4000/07
1.3. Number of poles: 2
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency $f_0$: 70.0 MHz
2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 20$ kHz
2.2.2. Ripple: Gaussian
2.2.3. Group delay at $f_0$: $9 \mu s \pm 1.5 \mu s$
2.2.4. Group delay distortion in the range $f_0 \pm 20$ kHz
   at 20°C: $< 1 \mu s$
   in operating temperature range: $< 2 \mu s$
2.2.5. Insertion loss:
   (measured on smallest attenuation in pass band) $\leq 7$ dB

2.3. Stop band
2.3.1. $f_0 \pm 200$ kHz $\geq 30$ dB (except spurious)
2.3.2. Alternate attenuation: $\geq 40$ dB (except spurious)

2.4. Terminating impedance (input and output): 50 $\Omega$ // 0 pF
3. Marking: manufacturer, date code QF 70.0-4000/07
4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ____________________________ date: ____________________________ name: ____________________________

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