1. General

1.1. Package:

1.2. Type name: QF 21.4-20000/09
1.3. Number of poles: 6
1.4. Operating temperature range: -30°C to +70°C
1.5. Storage temperature range: -40°C to +90°C

2. Electric values

2.1. Nominal centre frequency $f_0$: 21.4 MHz

2.2. Pass band

2.2.1. Centre frequency $f_c$: 21.4 MHz ± 7.5 kHz
2.2.2. Bandwidth between 3 dB - frequencies: > $f_0$ ± 100 kHz
2.2.3. Ripple: < 1.5 dB at $f_0$ ± 80 kHz
2.2.4. Insertion loss: < 8.0 dB
   (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. $f_0$ ± 400 kHz ≥ 60 dB (except spurious)
2.3.2. $f_0$ ± 2.5 MHz…… ± 5 MHz: ≥ 90 dB (except spurious)
2.3.3. Alternate attenuation > 80 dB (except spurious)
2.3.4. Spurious responses: > 45 dB at $f_0$+400 kHz……$f_0$+5.0 MHz

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

2.5 Intermodulation

frequency 1: 21.60 MHz / 21.80 MHz
frequency 2: 21.20 MHz / 21.00 MHz
input power: 0 dBm
IM: > 60 dB

3. Marking: manufacturer, date code

QF 21.4-20000/09

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ___________________________ name: ___________________________