Specification for monolithic crystal filter: MQF 21.4-4000/18

1. General
1.1. Package:

1.2. Type name: MQF 21.4-4000/18
1.3. Number of poles: 4
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 fo: 21.4 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 20 kHz
2.2.2. Ripple: < 1.5 dB at fo ± 15 kHz
2.2.3. Insertion loss: < 2.0 dB
   (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 67.5 kHz > 40 dB
2.3.2. fo ± 120 kHz > 60 dB
2.3.3. Alternate Attenuation > 80 dB (except spurious)
2.3.4. Spurious response fo +67.5 kHz…+500 kHz > 30

2.4.1. Nominal input power level + 0 dBm
2.4.2. Maximal input power level + 15 dBm

2.5. Terminating impedance R/\(R_{in}\) (input and output) 4000 \(\Omega\) // -0.3 pF
2.6. Coupling capacitance 0.7 pF

3. Marking: manufacturer, date code
21.4-
4000/18

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ___________________________________________ name: __________________________