Specification for monolithic crystal filter: MQF 21.4-3000/29

1. General
1.1. Package:

1.2. Type name: MQF 21.4-3000/29
1.3. Number of poles: 10
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -35°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: \( \geq fo \pm 15 \text{ kHz} \)
2.2.2. Ripple: \( \leq 2.0 \text{ dB at } fo \pm 12 \text{ kHz} \)
2.2.3. Insertion loss: \( \leq 4.5 \text{ dB} \) (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. \( fo \pm 30 \text{ kHz} \) \( \geq 70 \text{ dB} \)
2.3.2. \( fo \pm 40 \text{ kHz} \ldots \pm 500 \text{ kHz} \) \( \geq 80 \text{ dB} \) (except spurious)

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

3. Marking: manufacturer, date code MQF 21.4-3000/29

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: __________________________ date: __________________________ name: __________________________