Specification for monolithic crystal filter: MQF 21.4-0700/11

1. General
1.1. Package:

1.2. Type name: MQF 21.4-0700/11
1.3. Number of poles: 12
1.4. Operable temperature range: -40°C to +90°C
1.5. Operating temperature range: -40°C to +90°C
1.6. Storage temperature range: -55°C to +105°C

2. Electric values
2.1. Nominal centre frequency fo: 21.4 MHz

2.2. Pass band
2.2.1. Bandwidth between 6 dB - frequencies: \( \geq fo \pm 3.45 \text{ kHz} \)
2.2.2. Ripple: \( \leq 2.0 \text{ dB at } fo \pm 2.0 \text{ kHz} \)
2.2.3. Insertion loss: \( \leq 5.0 \text{ dB} \) (measured on smallest attenuation in pass band)
2.2.4. Level linearity at levels of -40 dBm to +5 dBm: \( \leq 0.5 \text{ dB} \)

2.3. Stop band
2.3.1. fo \pm 6.68 kHz \( \geq 60 \text{ dB} \)
2.3.2. fo \pm 10 kHz........\pm 5 MHz \( \geq 80 \text{ dB} \) (except spurious)
2.3.3. Spurious responses fo \pm 10 kHz......\pm 15 kHz \( \geq 60 \text{ dB} \)

2.4. Terminating impedance (input and output): 50 \( \Omega \) // 0 pF
2.5. Input power level: \( \leq +5 \text{ dBm} \)

3. Marking: manufacturer, date code
MQF 21.4-0700/11 or OEM-marking

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: __________________________ name: __________________________