Specification for monolithic crystal filter: **MQF 10.7-1500/02**

1. General
1.1. Package: 2 x GH3 (each filter consists of a pair of two matched duals)
1.2. Type name: MQF 10.7-1500/02
1.3. Number of poles: 4
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -55°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 10.7 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB frequencies: \( \geq fo \pm 7.5 \text{ kHz} \)
2.2.2. Ripple (at \( fo \pm 5.0 \text{ kHz} \)): \( \leq 1.0 \text{ dB} \)
2.2.3. Insertion loss: \( \leq 2.5 \text{ dB} \) (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. \( fo \pm 25 \text{ kHz} \) \( \geq 40 \text{ dB} \)
2.3.2. \( fo +300 \text{ kHz} \ldots +1000 \text{ kHz} \) \( \geq 65 \text{ dB} \)
2.3.3. \( fo -200 \text{ kHz} \ldots -1000 \text{ kHz} \) \( \geq 80 \text{ dB} \)
2.3.4. Spurious responses: \( \geq 30 \text{ dB} \)

2.4. Terminating impedance (input and output): 3000 \( \Omega \) // 1.5 \( \text{ pF} \)
2.4.1. Coupling capacitance \( C_C \): 5.0 \( \text{ pF} \)

3. Marking: manufacturer, date code

4. Environment conditions: Corresponding to Vectron CF001

Edited by: date: ____________________________ name: ______________________________