Specification for monolithic crystal filter: **MQF 10.7-3000/02**

1. General
1.1. Package: 2 x GH 3 (each filter consists of a pair of two matched duals)
1.2. Type name: MQF 10.7-3000/02
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 \( f_0 \): 10.7 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq f_0 \pm 15 \text{ kHz} \)
2.2.2. Ripple (at \( f_0 \pm 10 \text{ kHz} \)): \( \leq 1.0 \text{ dB} \)
2.2.3. Insertion loss: \( \leq 2.5 \text{ dB} \) (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. \( f_0 \pm 40 \text{ kHz} \) \( \geq 30 \text{ dB} \)
2.3.2. \( f_0 \pm 50 \text{ kHz} \ldots \ldots \pm 300 \text{ kHz} \) \( \geq 40 \text{ dB} \)
2.3.3. Spurious responses: \( \geq 30 \text{ dB} \)

2.4. Terminating impedance (input and output): 5500 Ω // -1.0 pF
2.4.1. Coupling capacitance \( C_c \): 0.0 pF

3. Marking: manufacturer, date code 10.7-3000/02

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ____________________________ name: __________________________________