Specification for monolithic crystal filter: **MQF 35.4-2600/05**

1. **General**

1.1. Package:

1.2. Type name: MQF 35.4-2600/05

1.3. Number of poles: 10

1.4. Operating temperature range: -40°C to +65°C

1.5. Storage temperature range: -45°C to +85°C

2. **Electric values**

2.1. Nominal centre frequency $f_0$: 35.4 MHz

2.2. **Pass band**

2.2.1. Centre frequency $f_c$: 35.4 MHz ± 0.8 kHz

2.2.2. Bandwidth between 3 dB - frequencies: $\geq f_c \pm 13$ kHz

2.2.3. Ripple: $\leq 1.0$ dB at $f_c \pm 8.0$ kHz

2.2.4. Insertion loss: $\leq 5$ dB

( measured on smallest attenuation in pass band )

2.3. **Stop band**

2.3.1. $f_c \pm 22$ kHz $\geq 50$ dB

2.3.2. $f_c \pm 28$ kHz $\geq 80$ dB

2.3.3. alternate attenuation $\geq 80$ dB (except spurious)

2.4. Phase linearity within $f_c \pm 11$ kHz $< 15^\circ$

2.5. Terminating impedance (input and output): 50 Ω // 0 pF

3. **Marking**: manufacturer, date code MQF 35.4-2600/05 OEM marking on demand

4. **Environment conditions**: Corresponding to Vectron standard CF001

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Edited by: ___________________________ date: ___________________________ name: ___________________________