Specification for monolithic crystal filter  

**MQF 81.4-0400/06**

1. **General**

1.1. Package: 2 x GH 9 (each filter consists of a pair of two matched duals)

1.2. Type name: MQF 81.4-0400/06

1.3. Number of poles: 4

1.4. Operating temperature range: -20°C to +70°C

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

2. **Electric values**

2.1. Nominal centre frequency fo: 81.4 MHz

2.2. **Pass band**

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq fo \pm 2.0 \text{ kHz} \)

2.2.2. Ripple: \( \leq 1.0 \text{ dB at } fo \pm 1.0 \text{ kHz} \)

2.2.3. Insertion loss: \( \leq 6.0 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. **Stop band**

2.3.1. \( fo \pm 12 \text{ kHz} \)

2.3.2. Alternate attenuation: \( \geq 40 \text{ dB (except spurious)} \)

2.3.3. Spurious responses: \( \geq 25 \text{ dB} \)

2.4. Terminating impedance (input and output): 1000 \( \Omega \) // 0.3 pF

2.4.1. Coupling capacitance \( C_c \): 2.0 pF

3. **Marking:**

manufacturer, date code

81.4-0400/06

OEM marking on demand

4. **Environment conditions:**

Corresponding to Vectron standard CF001

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Edited by: ____________________________  date: ____________________________  name: ____________________________