Specification for monolithic crystal filter

MQF 70.0-1000/08

1. General

1.1. Package:

1.2. Type name: MQF 70.0-1000/08

1.3. Number of poles: 8

1.4. Operating temperature range: -10°C to +60°C

1.5. Storage temperature range: -20°C to +70°C

2. Electric values

2.1. Nominal centre frequency fo: 70.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq fo \pm 5.0 \text{ kHz} \)

2.2.2. Ripple: \( \leq 1.0 \text{ dB at } fo \pm 3.0 \text{ kHz} \)

2.2.3. Insertion loss: \( \leq 8.0 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. \( fo \pm 17.5 \text{ kHz} \) \( \geq 60 \text{ dB} \)

2.3.2. Alternate attenuation: \( \geq 60 \text{ dB} \)

2.3.3. Spurious responses: \( \geq 50 \text{ dB} \)

2.4. Terminating impedance (input and output): 50 \( \Omega \) // 0 pF

2.5. Maximum input power level: 0 dBm / +10 dBm (working / non-damaged)

3. Marking: manufacturer, date code MQF 70.0-1000/08

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: __________________________ date: __________________________ name: __________________________