Specification for monolithic crystal filter:MQF 21.4-2000/21

1. General

1.1. Package:

1.2. Type name: MQF 21.4-2000/21

1.3. Number of poles: 6

1.4. Operating temperature range: -40°C to +85°C

1.5. Storage temperature range: -55°C to +90°C

2. Electric values

2.1. Nominal centre frequency $f_0$: 21.4 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 10$ kHz

2.2.2. Ripple: $\leq 1.0$ dB at $f_0 \pm 6.0$ kHz

2.2.3. Group delay distortion: $\leq 32.5$ $\mu$s at $f_0 \pm 8.0$ kHz

2.2.4. Insertion loss: $\leq 6.0$ dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. $f_0 \pm 30$ kHz: $\geq 45$ dB

2.3.2. $f_0 \pm 55$ kHz........ $\pm 5$ MHz: $\geq 80$ dB

2.3.3. Spurious responses: $> 50$ dB

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

3. Marking: manufacturer, date code

MQF 21.4-2000/21

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: date: __________________________ name: __________________________