Specification for monolithic crystal filter

MQF 75.0-3600/02

1. General

1.1. Package:

1.2. Type name: MQF 75.0-3600/02
1.3. Number of poles: 4
1.4. Operating temperature range: -20°C to +85°C
1.5. Storage temperature range: -55°C to +85°C

2. Electric values

2.1. Nominal centre frequency $f_0$: 75.0 MHz

2.2. Pass band

2.2.1. Centre frequency $f_c$: 75.0 MHz ± 3.75 kHz
2.2.2. Bandwidth between 6 dB - frequencies: $\geq f_0 \pm 18.0$ kHz
2.2.3. Ripple ( at $f_0 \pm 10$ kHz ) $\leq 2.0$ dB
2.2.4. Insertion loss: $\leq 6.0$ dB
( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. $f_0 \pm 200$ kHz $\geq 40$ dB
2.3.2. $f_0 \pm 300$ kHz $\geq 60$ dB
2.3.3. $f_0 \pm 500$ kHz $\ldots \pm 1$ MHz $\geq 70$ dB
2.3.4. Spurious responses (at $f_0 + 50$ kHz...+200 kHz) $\geq 20$ dB
2.3.5. Spurious responses (at $f_0 + 200$ kHz...+250 kHz) $\geq 40$ dB
2.3.6. Spurious responses (at $f_0 + 250$ kHz...+500 kHz) $\geq 45$ dB
2.3.7. Spurious responses (at $f_0 + 500$ kHz...+600 kHz) $\geq 50$ dB

2.4. Terminating impedance:
input: 50 $\Omega$ // 0 pF
output: 1000 $\Omega$ // 20 pF

3. Marking:
manufacturer, date code
MQF 75.0-3600/02

4. Environment conditions:
Corresponding to Vectron standard CF001

Edited by: ____________________________ date: ____________________________ name: ____________________________