Specification for monolithic crystal filter: MQF 30.0 - 4000/07

1. General
1.1. Package:

1.2. Type name: MQF 30.0-4000/07
1.3. Number of poles: 2
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 $f_0$: 30.0 MHz

2.2. Pass band
2.2.1. Bandwidth between 1 dB - frequencies: $> f_0 \pm 20$ kHz
2.2.2. Ripple: $< 1.0$ dB at $f_0 \pm 20$ kHz
2.3.3. Group delay distortion $< 5.0$ µs at $f_0 \pm 20$ kHz
2.2.4. Insertion loss: $< 3.0$ dB

( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. $f_0 \pm 125$ kHz $> 20$ dB ( except spurious )
2.3.2. Alternate attenuation $> 30$ dB ( except spurious )

2.4. Terminating impedance ( input and output ): 3800 Ω // -0.4 pF

3. Marking: M 30A manufacturer, date code

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: ___________________________ date: ___________________________ name: ___________________________