Specification for monolithic crystal filter: MQF 40.7-5000/02

1. General
1.1. Package:

1.2. Type name: MQF 40.7-5000/02
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 $f_0$: 40.7 MHz

2.2. Pass band
2.2.1. Centre frequency $f_c$: 40.7 MHz ± 1.5 kHz
2.2.2. Bandwidth between 3 dB - frequencies: > $f_0$ ± 25 kHz
2.2.3. Ripple: < 1.0 dB peak to peak
2.2.4. Insertion loss: < 3.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. $f_0$ ± 190 kHz > 60 dB ( except spurious )
2.3.2. Alternate attenuation > 80 dB ( except spurious )

2.4. Maximum input power level: 0 / +15 ( working / non-damaged )

2.5. Terminating impedance $R//C$ ( input and output ): 50 Ω // 0 pF

2.6. Inband Intermodulation IP3 ( with test tones and input power of 0 dBm ) > +33 dBm ( > 66 dB down referred to the two frequency at $f_0$±1 kHz and input power of 0 dBm test tones at filter input )

3. Marking: manufacturer, date code
MQF 40.7-5000/02 kHz
OEM marking on demand

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ______________________ name: ______________________