Specification for monolithic crystal filter: MQF 10.7-3000/41

1. General
1.1. Package:

1.2. Type name: MQF 10.7-3000/41
1.3. Number of poles: 8
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 10.7 MHz
2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 15 kHz
2.2.2. Ripple: ≤ 2.0 dB at fo ± 12 kHz
2.2.3. Insertion loss: ≤ 3.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 35 kHz ≥ 70 dB
2.3.2. fo ± 50 kHz ≥ 90 dB
2.3.3. fo ± 50 kHz.........± 300 kHz ≥ 90 dB ( except spurious )

2.4. Terminating impedance ( input and output ): 4000 Ω // -1.8 pF
2.5. Maximum input power level: +10 dBm / +30 dBm ( working / non-damaged )

3. Marking: manufacturer, date code 10.7-3000/41

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: date: ______________________________   name:  ________________________________