Specification for monolithic crystal filter: MQF 10.7-5000/14

1. General
1.1. Package:

1.2. Type name: MQF 10.7-5000/14
1.3. Number of poles: 6
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -40°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: ≥ ± 25 kHz
2.2.2. Ripple: ≤ 1.5 dB at fo ± 15 kHz
2.2.3. Insertion loss: ≤ 4.0 dB
   (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo + 100 kHz: ≥ 90 dB (except spurious)
2.3.2. fo - 100 kHz: ≥ 80 dB
2.3.3. fo - 130 kHz: ≥ 90 dB
2.3.4. Alternate attenuation: > 90 dB (except spurious)

2.4. Terminating impedance (input and output): 5600 Ω // 1.0 pF

3. Marking:
   manufacturer, date code
   MQF 10.7-5000/14

4. Environment conditions
4.1. Random vibration: 0.04 g² / Hz or 6.06 grms
   20…..2000 Hz, for 5 minutes in 3 axis

4.2. Shock, humidity, aging and temperature changes: corresponding to Vectron standard CF001

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Edited by:  date: name: