Specification for monolithic crystal filter: MQF 10.7-2500/10

1. General
1.1. Package:

1.2. Type name: MQF 10.7-2500/10
1.3. Number of poles: 8
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 fo: 10.7 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > ±12.5 kHz
2.2.2. Ripple: < 2.0 dB at fo ± 10 kHz
2.2.3. Insertion loss: < 3.5 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 30 kHz > 70 dB
2.3.2. fo ± 40 kHz > 90 dB
2.3.3. fo ± 400 kHz to ± 500 kHz: > 90 dB
2.3.4. Spurious responses: > 60 dB

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

2.5. Maximum input power level: 14 dBm (30 dBm without destruction)
2.6. Level linearity vs. input power at 10.7 MHz < 0.1 dB (input power range -40 to -10 dBm)

3. Marking: manufacturer, date code
   MQF 10.7-2500/10

4. Environment conditions: Corresponding to Vectron standard CF003

Edited by: ________________________________ date: ________________________________ name: ________________________________