Specification for monolithic crystal filter: MQF 10.7-0300/09

1. General
1.1. Package:

1.2. Type name: MQF 10.7-0300/09
1.3. Number of poles: 8
1.4. Operating temperature range: -55°C to +100°C
1.5. Storage temperature range: -60°C to +105°C

2. Electric values
2.1. Nominal centre frequency fo: 10.7 MHz
2.2. Pass band
2.2.1. Centre frequency fc: 10.7 MHz ± 320 Hz
2.2.2. Bandwidth between 6 dB - frequencies: > fc ± 1.5 kHz
2.2.3. Ripple in pass band (peak to peak): < 1.0 dB
2.2.4. Absolute phase at fo (at +25°C): 0 deg. ± 27 deg.
2.2.5. Insertion loss: < 6.0 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fc ± 3.5 kHz: > 60 dB
2.3.2. fc ± 4.5 kHz...1.0 MHz: > 80 dB
2.3.3. Alternate attenuation: > 90 dB
2.4. Terminating impedance (input and output): 1000 Ω / 0 pF
2.5. Maximum drive level (working / non-damaged): +10 dBm / +25 dBm

3. Marking: manufacturer, date code
MQF 10.7-0300/09

4. Environment conditions: Vectron MIL-standard

Edited by: date: ___________________________ name: ______________________________