Specification for monolithic crystal filter: M Q F 10.0 - 1500/06

1. General
1.1. Package:

1.2. Type name: MQF 10.0-1500/06
1.3. Number of poles: 8
1.4. Operating temperature range (OTR): -20°C to +70°C
1.5. Storage temperature range: -40°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 10.0 MHz
2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 7.5 kHz
2.2.2. Ripple at fo ± 4.0 kHz: < 1.0 dB (peak to peak)
2.2.3. Differential group delay fo ± 4.0 kHz / fo ± 2.0 kHz: < 12 µs / < 3.0 µs
2.2.4. Group delay asymmetry between lower and upper group delay range referred to fo (lower: fo - 4 kHz ≤ f ≤ fo, upper: fo ≤ f ≤ fo + 4 kHz): < 2.0 dB typical at +25°C and < 3.0 dB typical in OTR
2.2.5. Insertion loss: < 3.0 dB (measured on smallest attenuation in pass band)
2.3. Stop band
2.3.1. fo ± 15 kHz > 30 dB
2.3.2. fo ± 20 kHz > 50 dB
2.3.3. fo ± 25 kHz > 70 dB
2.3.4. Alternate attenuation > 80 dB (except spurious)
2.4. Terminating impedance (input and output): 50 // 0 pF
2.5. Maximum continuous input power level: +10 dBm / +20 dBm (working / non-damaged)
3. Marking: manufacturer, date code MQF 10.0-1500/06
4. Environment conditions: Corresponding to Vectron MIL standard

Edited by: ___________________________ date: ___________ ___________________________ name: ___________________________