Specification for monolithic crystal filter: MQF 100.0 – 0800/01

1. General

1.1. Package:

1.2. Type name: MQF 100.0-0800/01
1.3. Number of poles: 2
1.4. Operating temperature range: -20°C to +85°C
1.5. Operable temperature range: -45°C to +85°C
1.6. Storage temperature range: -45°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 100.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > ± 4 kHz
2.2.2. Ripple: < 1.0 dB at fo ± 2.0 kHz
2.2.3. Insertion loss: < 4.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 25 kHz > 20 dB
2.3.2. fo ± 50 kHz > 30 dB
2.3.3. Alternate attenuation: > 40 dB (except spurious)

2.4. Terminating impedance (input and output): 800 Ω // 0.65 pF

2.5. Nominal input power level -10 dBm
2.5.1 Maximum input power level +0 dBm

3. Marking: ● M100A
VI date code

4. Environment conditions: according to Vectron CF001

5. Moisture Sensitivity Level (MSL): level 1 corresponding to IPC/JEDEC J-STD-20