Specification for monolithic crystal filter: MQF 100.0–0800/06

1. General
   1.1. Package:

   Filters are Pb-free and 2002/95/EC RoHS compliant

   MQF 100.0-0800/06

1.2. Type name: MQF 100.0-0800/06
1.3. Number of poles: 2
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -25°C to +85°C

2. Electric values
   2.1. Nominal centre frequency fo: 100.0 MHz

2.2. Pass band

   2.2.1. Centre frequency fc: 100.0 MHz ± 1.1 kHz
   2.2.2. Bandwidth between 3 dB - frequencies: > fc ± 4.0 kHz
   2.2.3. Ripple: < 0.5 dB at fc ± 2.0 kHz
   2.2.4. Insertion loss: < 3.0 dB
       (measured on smallest attenuation in pass band)

2.3. Stop band

   2.3.1. fc ± 10.0 kHz > 10 dB
   2.3.2. Alternate attenuation: fc ± 910 kHz > 40 dB
   2.3.3. Spurious responses > 8 dB
   2.4. Terminating impedance (input and output): 350 Ω // 1.5 pF
   2.5. Maximum input power level (operating): +0 dBm
       2.5.1. Maximum input power level (non-damaged): +15 dBm

3. Marking: manufacturer, date code MQF100.0-0800/06

4. Environment conditions: According to Vectron standard CF001

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Edited by: ____________________________ date: _________________ name: ______________________