Specification for monolithic crystal filter: MQF 100.0-0340/01

1. General

1.1. Package:

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

1.2. Type name: MQF 100.0-0340/01
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 at +25°C: 100.0 MHz ± 900 Hz
2.2.2. Bandwidth between 3 dB - frequencies: > fc ± 1.7 kHz
2.2.3. Ripple: < 0.5 dB at fc ± 1.0 kHz
2.2.4. Insertion loss: < 8.0 dB
   ( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fc ± 3.2 kHz > 6 dB
2.3.2. fc ± 15 kHz > 30 dB
2.3.3. Alternate attenuation: fc ± 910 kHz > 40 dB
2.3.4. Spurious responses > 10 dB

2.4. Terminating impedance ( input and output ): 100 Ω // 4.0 pF

2.5. Nominal input power level + 0 dBm
2.5.1. Maximum input power level + 15 dBm

3. Marking: manufacturer, date code
   MQF100.0
   -0340/01

4. Environment conditions: according to Vectron CF001

_____________________________________________________________

Edited by: ___________________________ date: ________________ name: ___________________________