Specification for monolithic crystal filter: **MQF 45.0-5000/18**

1. General
1.1. Package:

1.2. Type name: **MQF 45.0-5000/18**
1.3. Number of poles: 10
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 45.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 25.0 kHz
2.2.2. Ripple: < 0.7 dB at fo ± 19.0 kHz
2.2.3. Group delay distortion: < 20 µs at fo ± 19.0 kHz
2.2.4. Insertion loss: < 3.0 dB
   (measured on smallest attenuation in pass band)

2.2.5. Return loss at fo ± 19 kHz: > 11.73 dB (VSWR < 1.7)

2.3. Stop band

2.3.1. fo ± 50 kHz > 70 dB
2.3.2. Alternate attenuation > 80 dB (except spurious)

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

2.5. Input power level for reference measurement: 0 dBm
2.5.1. Maximum input power level without destruction: +15 dBm

3. Marking: manufacturer, date code
   **MQF 45.0-5000/18**

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ____________________________ date: ____________ name: ____________________________