Specification for monolithic crystal filter: MQF 45.0-1600/04

1. General
1.1. Package:

1.2. Type name: MQF 45.0-1600/04
1.3. Number of poles: 8
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 ± 8.0 kHz
2.2.2. Ripple: < 0.7 dB at fo ± 5.0 kHz
2.2.3. Group delay distortion: < 20 µs at fo ± 5.0 kHz
2.2.4. Insertion loss: ≤ 4.0 dB
   (measured on smallest attenuation in pass band)
2.2.5. Return loss at fo ± 5 kHz: > 15.6 dB (VSWR < 1.4)
2.3. Stop band
2.3.1. fo ± 25 kHz > 70 dB
2.3.2. Alternate attenuation > 80 dB
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 45.0-1600/04

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: ____________________________  name: _______________________________

date: ________________