Specification for monolithic crystal filter:  MQF 45.0-1200/14

1. General
1.1. Package:

1.2. Type name: MQF 45.0-1200/14
1.3. Number of poles: 4
1.4. Operating temperature range: -40°C to +60°C
1.5. Storage temperature range: -55°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 ± 6.0 kHz
2.2.2. Ripple: ≤ 1.0 dB at fo ± 4.0 kHz
2.2.3. Insertion loss: ≤ 2.5 dB (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. fo ± 12.5 kHz  ≥ 15 dB
2.3.2. fo ±910 kHz  ≥ 80 dB
2.4. Terminating impedance (input and output): 550 Ω // 3.0 pF
2.4.1. Coupling capacitance Cc: 12.5 pF
2.5 Intermodulation
frequency 1: 45.05 MHz / 45.10 MHz
frequency 2: 44.95 MHz / 44.90 MHz
input power: -15 dBm
IM: > 90 dB

3. Marking: ● M45B10
date code

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: date: ____________________________ name: ____________________________