Specification for monolithic crystal filter: MQF 90.0 - 1500 / 09

1. General
1.1. Package:

MQF 90.0-1500/09

1.2. Type name: MQF 90.0
1.3. Number of poles: 6
1.4. Operating temperature range: +0°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 90.0 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 7.5 kHz
2.2.2. Ripple: ≤ 2.0 dB at fo ± 5 kHz
2.2.3. Insertion loss: ≤ 5.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fo ± 25 kHz ≥ 60 dB
2.3.2. Alternate attenuation ≥ 60 dB (except spurious)
2.3.3. Spurious responses > fo + 60 kHz > 40 dB

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

2.5 VSWR: < 2.0 : 1 (return loss < -9.55 dB)

2.6 Maximum input power level: -10 dBm / 0 dBm (working/non damaged)

3. Marking:
manufacturer, date code
MQF 90.0-1500/09

4. Environment conditions:
Corresponding to Vectron standard CF001

Edited by: __________________________ date: ___________ name: __________________________