Specification for monolithic crystal filter

M Q F 7 0 . 7 – 1 2 0 0 / 0 3

1. General
1.1. Package:

1.2. Type name: MQF 70.7-1200/03
1.3. Number of poles: 6
1.4. Operating temperature range: +20°C to +60°C
1.5. Storage temperature range: -20°C to +70°C

2. Electric values

2.1. Nominal centre frequency fo: 70.7 MHz

2.2. Pass band
2.2.1 Centre frequency fc: 70.7 MHz ± 1500 Hz
2.2.2. Bandwidth between 3 dB - frequencies: 12 kHz ± 300 Hz at 25°C
2.2.3. Ripple: < 2.0 dB at fc ± 3.5 kHz
2.2.4. Insertion loss: < 5.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fc ± 19 kHz > 60 dB
2.3.2. Alternate attenuation > 60 dB (except spurious)

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

2.5. Nominal Input power level 0 dBm
2.5.1. Maximum Input power level + 10 dBm

2.5.3 In band Intermodulation test tones:
fo ±4 kHz / -4 kHz
IM at 70.712 MHz / 70.688 MHz > 60 dB
fo ±4 kHz / +2 kHz
IM at 70.700 MHz > 50 dB
fo -4 kHz / -2 kHz
IM at 70.700 MHz > 50 dB
Input power level
-10 dBm

3. Marking: MQF 70.7-1200/03, date code
OEM marking on demand

4. Environment conditions: Corresponding to Vectron standard CF001

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edited by: date: __________________ name: __________________