Specification for monolithic crystal filter 

MQF 70.7-0600/03

1. General

1.1. Package:

![Diagram of the package]

1.2. Type name: MQF 70.7-0600/03

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: 6.0 kHz ± 250 Hz at +25°C

2.2.3. Ripple: < 2.0 dB at fc ± 1.5 kHz

2.2.4. Insertion loss: < 8.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fc ± 11 kHz > 60 dB

2.3.2. Alternate attenuation > 60 dB (except spurious)

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

2.5.1. Nominal Input power level 0 dBm

2.5.2. Maximum Input power level +10 dBm

2.6. In band Intermodulation test tones:

- 3rd order intermodulation products:
  - fo +2 kHz / -2 kHz IM at 70.706 MHz / 70.694 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 70.7-0600/03, date code

OEM marking on demand

4. Environment conditions:

Corresponding to Vectron standard CF001

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edited by: ___________________________ date: _____________ name: ___________________________