Specification for monolithic crystal filter:  

**MQF 35.25 - 2200/02**

1. General

1.1. Package:

1.2. Type name: MQF 35.25-2200/02

1.3. Number of poles: 4

1.4. Operating temperature range: -40°C to +85°C

1.5. Storage temperature range: -45°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 35.25 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 11.0 kHz

2.2.2. Ripple: < 1.0 dB at fo ± 8.0 kHz

2.2.3. Insertion loss: < 4.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 28 kHz > 15 dB

2.3.2. fo ± 37 kHz > 30 dB

2.3.3. fo ± 55 kHz > 50 dB

2.3.4. Alternate attenuation fo ± 910 kHz > 65 dB (except spurious)

2.4. Terminating impedance R//C (input and output): 1300 Ω / 1.5 pF

2.4.1. Coupling capacitance 5.0 pF

2.5. Input power level for reference measurement: -10 dBm

2.5.1. Maximum input power level without destruction: 0 dBm

2.6. Out band Intermodulation

2.6.1. frequency 1, 2: fo ± 100 / 200 kHz

2.6.2. Input power level: -10 dBm

2.6.3. Intermodulation (IP3 > +25 dBm) > 70 dB down from both -10dBm input tones

3. Marking on the case:

• M35A1

yyww

4. Environment conditions:

a. vibration: MIL-STD-810G, method 514.6 procedure I

b. shock: MIL-STD-810G, method 516.6 procedure I + IV + V

5. Filters are Pb-free and 2002 /95 / EC RoHS compliant

Edited by: _____________________________ date: _____________________________ name: _____________________________