Specification for monolithic crystal filter:

**MQF 40.0-2500/03**

08 June 1999

1. General
1.1. Package:

1.2. Type name: MQF 40.0-2500/03
1.3. Number of poles: 8
1.4. Operable temperature range: -30°C to +80°C
1.5. Operating temperature range: -20°C to +70°C
1.6. Storage temperature range: -35°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 40.0 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: ≥ fo ± 12.5 kHz
2.2.2. Ripple: ≤ 2.0 dB at fo ± 10 kHz
2.2.3. Insertion loss: ≤ 4.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fo ± 100 kHz: ≥ 90 dB
2.3.2. Alternate attenuation: ≥ 85 dB
2.3.3. Spurious responses: ≥ 70 dB

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

2.5. Intermodulation
IP3:
- frequency 1: fo + 100 kHz
- frequency 2: fo + 200 kHz
- input power level: 0 dBm
- IM: ≥ 80 dB

3. Marking:
- manufacturer, date code
- MQF 40.0-2500/03

4. Environment conditions:
- Corresponding to Vectron CF001

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Edited by: ____________________________ name: ____________________________