Specification for monolithic crystal filter:  

MQF 30.0 - 7000/03

1. General

1.1. Package:

- Pin 1: Input
- Pin 3: Output
- Pin 2, 4: GND

1.2. Type name: MQF 30.0-7000/03

1.3. Number of poles: 6

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

1.5. Storage temperature range: -55°C to +105°C

2. Electric values

2.1. Nominal centre frequency fo: 30.0 MHz

2.2. Pass band

2.2.1. Centre frequency fc: 30.0 MHz ± 2.0 kHz

2.2.2. 6-dB bandwidth: ≥ 70 kHz

2.2.3. Ripple in the range fo ± 20.0 kHz: ≤ 1.0 dB peak to peak

2.2.4. Insertion loss: ≤ 6.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. 50-dB bandwidth: < 144 kHz

2.3.2. fo +90 kHz........+350 kHz ≥ 60 dB

2.3.3. fo +350 kHz........+10 MHz ≥ 70 dB

2.3.4. fo -110 kHz........-10 MHz ≥ 70 dB

2.3.5. Spurious responses at fo +100........+800 kHz ≥ 35 dB

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

3. Marking: 

- Manufacturer, date code
- MQF 30.0-7000/03

4. Environment conditions: 

Corresponding to Vectron standard CF001

---

Edited by: ________________________________  date: ________________________________  name: ________________________________