Specification for monolithic crystal filter:  

**Q F 2.5-U0290/04**

1. **General**

1.1. Package:

1.2. Type name: QF 2.5-U0290/04

1.3. Number of poles: 8

1.4. Operating temperature range: -25°C to +70°C

1.5. Storage temperature range: -35°C to +85°C

2. **Electric values**

2.1. Nominal centre frequency \(f_0\): 2.5 MHz

2.2. **Pass band**

2.2.1. Pass band at 6 dB: \(f_0 + 0.3\) kHz to \(f_0 + 3.04\) kHz

2.2.2. Ripple in Operating temperature range:
- \(\leq 2.0\) dB at \(f_0 + 0.59\) kHz to \(f_0 + 2.375\) kHz
- \(\leq 2.0\) dB at \(f_0 + 0.55\) kHz to \(f_0 + 2.50\) kHz

2.2.3. Insertion loss:
- \(\leq 4.0\) dB
- (measured on smallest attenuation in pass band)

2.3. **Stop band**

2.3.1. \(f_0 - 0.4\) kHz \(\geq 40\) dB

2.3.2. \(f_0 + 7.5\) kHz \(\geq 40\) dB

2.3.3. Alternate Attenuation: \(\geq 60\) dB (except spurious)

2.3.4. Max. input power: 10 mW

2.4. Terminating impedance (input and output): 600 Ω // 0 pF

3. **Marking:** manufacturer, date code
- QF 2.5-U0290/04

4. **Environment conditions:**
- Corresponding to Vectron standard CF001

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Edited by: ___________________________ name: ___________________________