Specification for monolithic crystal filter

**MQF 70.0 - 1500/01**

1. General
1.1. Package:

1.2. Type name: MQF 70.0 - 1500/01
1.3. Number of poles: 2
1.4. Operable temperature range: -25°C to +80°C
1.5. Operating temperature range: -20°C to +70°C
1.6. Storage temperature range: -30°C to +85°C

2. Electric values

2.1. Nominal centre frequency \( f_0 \): 70.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( f_0 \pm 7.50 \text{ kHz} \)
2.2.2. Ripple: \( \leq 2.0 \text{ dB} \) at \( f_0 \pm 5.0 \text{ kHz} \)
2.2.3. Insertion loss: \( \leq 3.0 \text{ dB} \)
   (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. \( f_0 \pm 30 \text{ kHz} \) \( \geq 20 \text{ dB} \)
2.3.2. Alternate except spurious \( \geq 40 \text{ dB} \)

2.4. Terminating impedance (input and output): 1500 Ω // -0.1 pF

3. Marking:
   manufacturer, date code
   70.0-1500/01

4. Environment conditions:
   Corresponding to Vectron standard CF001

Edited by: ____________________________ date: ____________________________ name: ____________________________