Specification for monolithic crystal filter: \textbf{MQF 21.4-0750/28}

1. General
1.1. Package:

1.2. Type name: \textbf{MQF 21.4-0750/28}
1.3. Number of poles: 6
1.4. Operating temperature range: -40°C to +80°C
1.5. Storage temperature range: -55°C to +85°C

2. Electric values
2.1. Nominal centre frequency \(f_0\): 21.4 MHz

2.2. Pass band
2.2.1. Centre frequency \(f_c\) (at +25°C): 21.4 MHz \(\pm 300\) Hz
2.2.2. Bandwidth between 3 dB frequencies: \(\geq f_0 \pm 3.75\) kHz
2.2.3. Ripple (at 25°C): \(\leq 1.0\) dB at \(f_0 \pm 3.0\) kHz
2.2.4. Insertion loss: \(\leq 3.0\) dB
   (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1. \(f_0 \pm 8.75\) kHz \(\geq 45\) dB
2.3.2. \(f_0 \pm 12.5\) kHz \(\geq 65\) dB
2.3.3. \(f_0 \pm 20\) kHz \(\ldots \ldots \pm 500\) kHz \(\geq 80\) dB

2.4. Terminating impedance \(R/C\) (input and output): 850 \(\Omega \parallel 5.0\) pF

3. Marking: manufacturer, date code
21.4-0750/28

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: ___________________________ date: ___________________________ name: ___________________________