Specification for monolithic crystal filter: **MQF 45.0 - 3000/02**

1. General
1.1. Package: 2 x GH 9 (each filter consists of a pair of two matched duals)

1.2. Type name: MQF 45.0-3000/02
1.3. Number of poles: 4
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -35°C to +80°C

2. Electric values
2.1. Nominal centre frequency $f_0$: 45.0 MHz
2.2. Pass band
   2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 15$ kHz
   2.2.2. Ripple: $\leq 1.0$ dB at $f_0 \pm 10$ kHz
   2.2.3. Insertion loss: $\leq 3.0$ dB
      (measured on smallest attenuation in pass band)

2.3. Stop band
   2.3.1. $f_0 \pm 50$ kHz $\geq 40$ dB
   2.3.2. $f_0 \pm 910$ kHz $\geq 80$ dB
   2.3.3. Spurious responses: $\geq 30$ dB

2.4. Terminating impedance
      Input and output: $650 \, \Omega // 3$ pF
   2.4.1. Coupling capacitance $C_c$: 8.0 pF

3. Marking: manufacturer, date code
   45.0-3000/02

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: ___________________________ date: ___________________________ name: ___________________________