Specification for monolithic crystal filter:  **MQF 45.0 - 0750/20**

1. General
1.1. Package (each filter consist of a matched pair of two packages GH9S1):

1.2. Type name:  MQF 45.0-0750/20
1.3. Number of poles:  4
1.4. Operable temperature range:  -30°C to +80°C
1.5. Operating temperature range:  -25°C to +70°C
1.6. Storage temperature range:  -55°C to +80°C

2. Electric values
2.1. Nominal centre frequency fo:  45.0 MHz

2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies:  \( \geq fo \pm 3.75 \text{ kHz} \)
2.2.2. Ripple:  \( \leq 1.0 \text{ dB at } fo \pm 3.0 \text{ kHz} \)
2.2.3. Insertion loss:  \( \leq 5.0 \text{ dB} \)
   (measured on smallest attenuation in pass band)

2.3. Stop band
2.3.1.  fo \pm 12.5 kHz  \( \geq 30 \text{ dB} \)
2.3.2.  fo \pm 910 kHz  \( \geq 90 \text{ dB} \)

2.4. Terminating impedance R//C (input and output):  350 \( \Omega \) // 6.5 pF
2.4.1. Coupling capacitance (Cc):  18 pF

3. Marking:  manufacturer, date code
            45.0-0750/20

4. Environment conditions:  Corresponding to Vectron standard CF001