Specification for monolithic crystal filter: **MQF 45.0-1600/02**

1. General

1.1. Package:

![Package Diagram]

1.2. Type name: MQF 45.0-1600/02

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 \( f_0 \): 45.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies:

\[ \geq f_0 \pm 8.0 \text{ kHz} \]

2.2.2. Ripple:

\[ \leq 1.0 \text{ dB at } f_0 \pm 5.0 \text{ kHz} \]

2.2.3. Insertion loss:

\[ \leq 3.0 \text{ dB} \] (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. \( f_0 \pm 25 \text{ kHz} \)

\[ \geq 30 \text{ dB} \]

2.3.2. \( f_0 - 910 \text{ kHz} \)

\[ \geq 90 \text{ dB} \]

2.4. Terminating impedance \( R/C \) (input and output):

700 Ω // 2.0 pF

2.4.1. Coupling capacitance (\( C_c \)):

10 pF ± 10%

3. Marking:

manufacturer, date code

45.0-1600/02

4. Environment conditions:

Corresponding to Vectron standard CF001

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Edited by: ____________________________ name: ____________________________

 date: __________________________