Specification for crystal filter: **Q F 45.0 - 0300 / 06**

1. **General**
1.1. **Package:**

![Package Diagram]

2. **Electric values**

2.1. Nominal centre frequency \( f_0 \): 45.0 MHz

2.2. **Pass band**

2.2.1. Centre frequency \( f_c \) at +25°C: 45.0 MHz ± 400 Hz

2.2.2. Bandwidth between 3 dB - frequencies: > \( f_c \) ± 1.5 kHz

2.2.3. Ripple: ≤ 2.0 dB peak to peak

2.2.4. Insertion loss: (measured on smallest attenuation in pass band) ≤ 9.0 dB

2.3. **Stop band**

2.3.1. \( f_c \) + 10 kHz, \( f_c \) - 11 kHz > 60 dB

2.3.2. \( f_c \) + 15 kHz, \( f_c \) - 16 kHz > 80 dB

2.3.3. Spurious responses at \( f_c \) +15 kHz.....+500 kHz: ≥ 60 dB

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

2.5. Input power level (working / non-damaged): < 0 dBm / +15 dBm

3. **Marking:**

Manufacturer, date code

QF 45.0-0300/06

4. **Environment conditions:**

Corresponding to Vectron standard CF001