Specifications for monolithic crystal filter: QF 10.6966-0050/02

1. General
1.1. Package:

1.2. Type name: QF 10.6966-0050/02
1.3. Number of poles: 4
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -40°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 10.6966 MHz
2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 250 Hz
2.2.2. Ripple: < 1.0 dB (peak to peak)
2.2.3. Insertion loss: < 2.5 dB
( measured on smallest attenuation in pass band )
2.3. Stop band
2.3.1. fo ± 5 kHz > 60 dB
2.3.2. Alternate attenuation > 80 dB (except spurious)
2.4. Terminating impedance (input and output): 100 Ω // 0 pF
2.5. Maximum input power level: +10 / +20 (working / non-damaged)
2.6. Intermodulation:
frequency 1: 10.6956 MHz
frequency 2: 10.6976 MHz
input power level at pin 1 (input): 0 dBm
IM (IP3 > +33 dBm): > 66 dB (referred to input power level)
3. Marking: manufacturer, date code
QF 10.6966-0050/02
4. Environment conditions: Corresponding to Vectron CF001