

SPECIFICATION FOR CRYSTAL FILTER KF 21.4-200/09

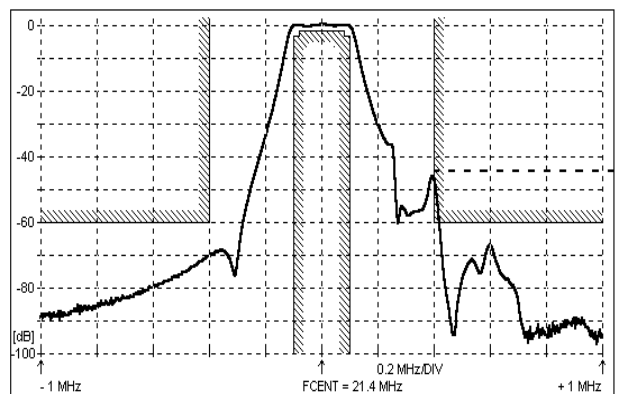
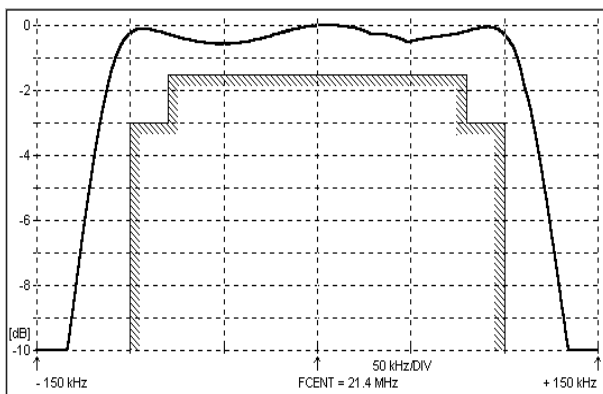
Number: 92 n38
Drawing: 61 9580

1. Electric values

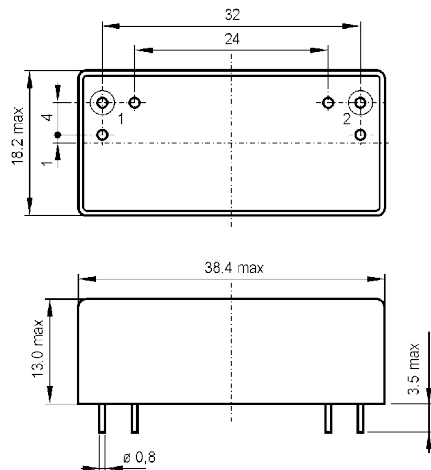
- 1.0 Number of poles: 6
- 1.1 Nominal centre frequency f_{nom}: 21 400 kHz
- 1.2 Centre frequency f_c: 21 400 kHz ± 7.5 kHz
- 1.3 Bandwidth between 3 dB frequencies: > ± 100 kHz
- 1.4 Ripple at f_{nom} ± 80 kHz: ≤ 1.5 dB
- 1.5 Insertion loss: ≤ 8.0 dB
- 1.6 Stop band:
 - from ± 400 kHz: ≥ 60 dB (except spurious)
 - from ± 2.5 ... ± 5 MHz: ≥ 90 dB (except spurious)
- 1.7 Alternate attenuation: ≥ 80 dB (except spurious)
- 1.8 Spurious responses at f_{nom} + 400 kHz + 5 MHz: > 45 dB
- 1.9 Terminating impedance (input and output): 50 Ohm // 0 pF
- 1.10 Outband intermodulation
 - Frequency 1, 2 : f_{nom} ± 200 kHz , f_{nom} ± 400 kHz
 - Input power level: 0 dBm
 - Intermodulation (IP3 > +30 dBm) > 60 dB down from both 0 dBm tones
- 1.11 Operating temperature range: - 30°C až + 70°C
- 1.12 Case: KF 17 (38.4 x 18.2 x 13.0 mm)
- 1.13 Marking on the case :

KRYSTALY YYWW
 KF 21.4-200/09

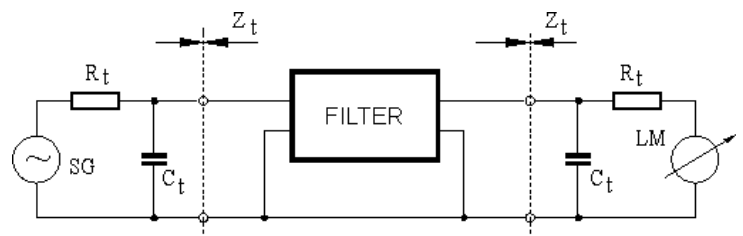
2. Characteristics KF 21.4-200/09



Dimensions[mm]



Measurement Circuit



edited | 27.08.2012 | P.Jüngling