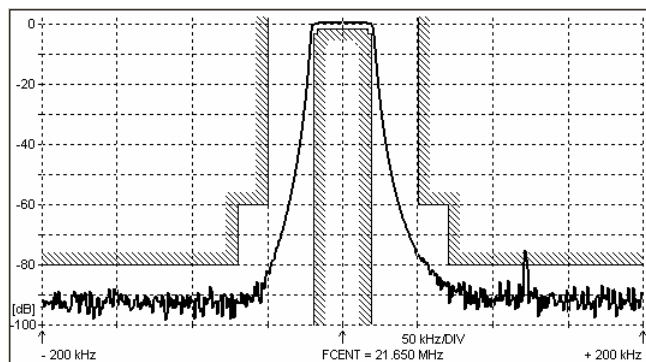
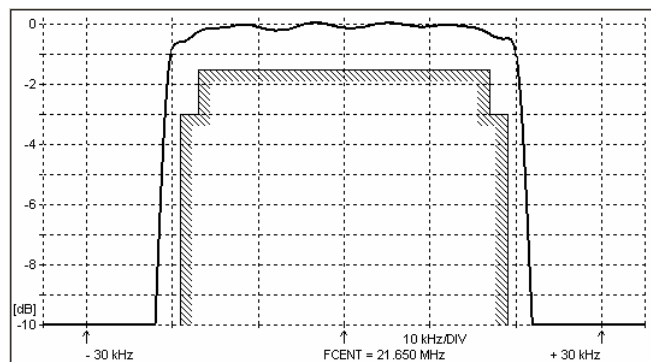
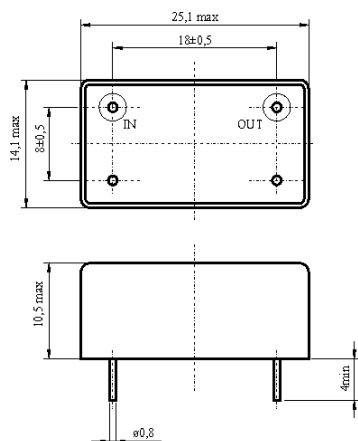
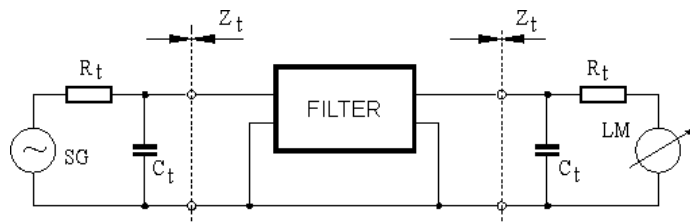


**SPECIFICATION FOR CRYSTAL FILTER**
MCF 21.65-38/18Number: 91 972
Drawing: 61 9578**1. Electric values**

- 1.0 Number of poles : 8
- 1.1 Nominal centre frequency f_{nom} : 21.650 MHz
- 1.2 Bandwidth between 3 dB frequencies : $\geq \pm 19$ kHz
- 1.3 Ripple at $f_{nom} \pm 17.0$ kHz : ≤ 1.5 dB
- 1.4 Insertion loss : ≤ 6.0 dB
- 1.5 Stop band: $f_{nom} \pm 50$ kHz : ≥ 60 dB
 $f_{nom} \pm 70$ kHz : ≥ 80 dB
 $f_{nom} \pm 500 \dots \pm 10000$ kHz : ≥ 85 dB
- 1.6 Spurious $f_{nom} + 70 \dots + 500$ kHz : ≥ 70 dB
- 1.7 Return loss at $f_{nom} \pm 16.0$ kHz : ≥ 9 dB
- 1.8 Terminating impedance (input and output) : 50 Ohm // 0 pF
- 1.9 Operating temperature range : -40°C až $+85^\circ\text{C}$
- 1.10 Case : KF 13 (25.1 x 14.1 x 10.5 mm)
- 1.11 Marking on the case : YY = year
WW = week

KRYSTALY CZ
YYWW
21.65-38/18

2. Characteristics MCF 21.65-38/18**Dimensions [mm]**
Case KF 13**Measurement Circuit**

edited	23.06.2011	P. Seidl
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