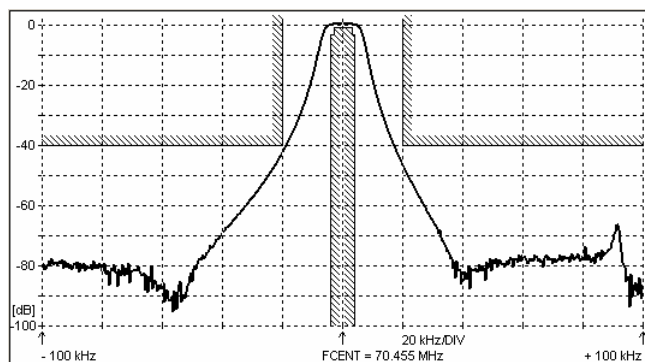
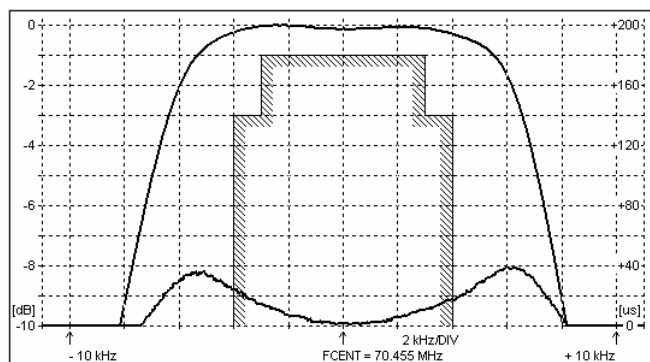
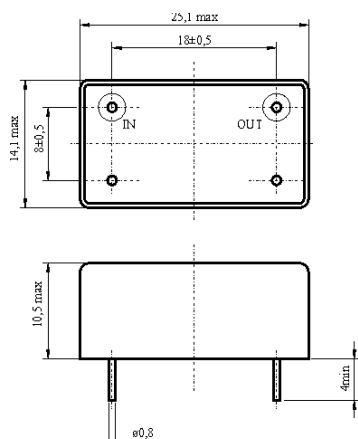
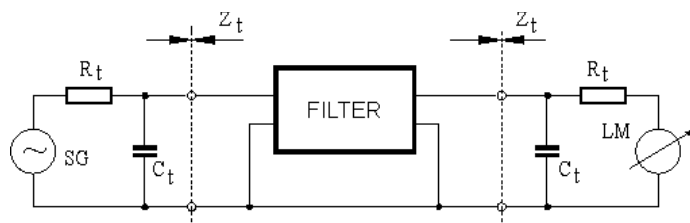


**SPECIFICATION FOR CRYSTAL FILTER**
MCF 70.455-08/07Number: 91 917
Drawing: 61 9578**1. Electric values**

- 1.0 Number of poles : 4 (3 rd overtone)
1.1 Nominal centre frequency f_{nom} : 70.455 MHz
1.2 Bandwidth between 3 dB frequencies : $\geq \pm 4.0$ kHz
1.3 Ripple at $f_{nom} \pm 3.0$ kHz : ≤ 1.0 dB
1.4 Insertion loss : ≤ 4.5 dB
1.5 Group delay distortion $f_{nom} \pm 4.0$ kHz : $\leq 60 \mu s$
1.6 Stop band: $f_{nom} \pm 20$ kHz : ≥ 40 dB
 $f_{nom} \pm 455$ kHz : ≥ 60 dB
 $f_{nom} - 910$ kHz : ≥ 70 dB
1.7 Spurious : ≥ 30 dB
1.8 Terminating impedance (input and output) : 50 Ohm // 0 pF
1.9 Intermodulation (IL = 0 dBm) $f_{nom} \pm 50$ kHz and ± 100 kHz : ≥ 60 dB
1.10 Operating temperature range : -20°C to +70°C
1.11 Case : KF 13 (25.1 x 14.1 x 10.5 mm)
1.12 Marking on the case : YY = year
WW = week

KRYSTALY CZ YYWW

MCF 70.455-08/07

2. Characteristics MCF 70.455-08/07**Dimensions [mm]**
Case KF 13**Measurement Circuit**

edited 07.09.2011 P. Seidl