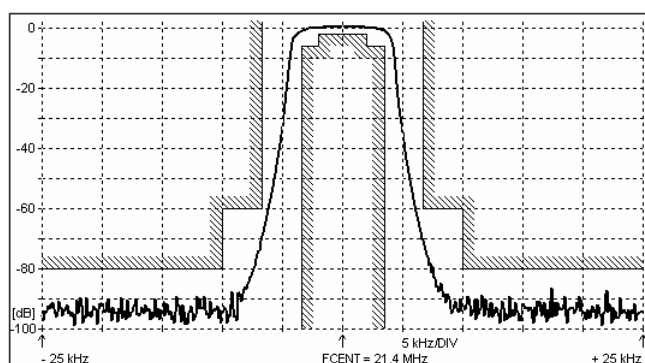
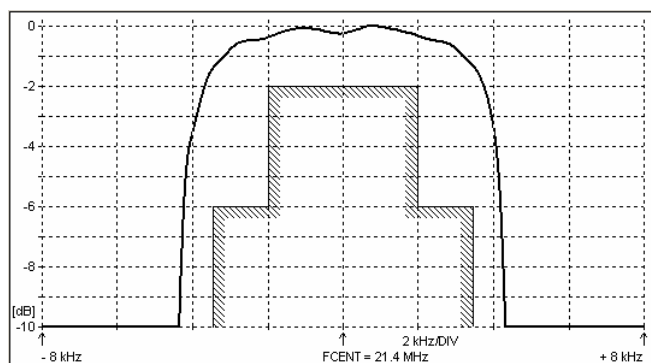
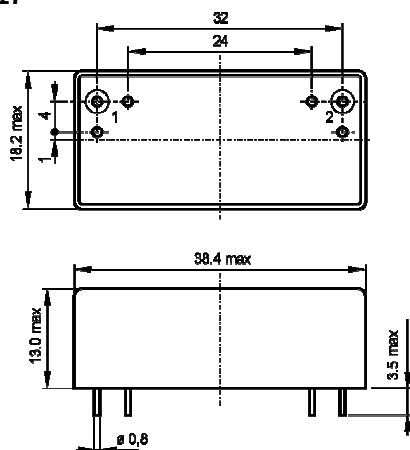
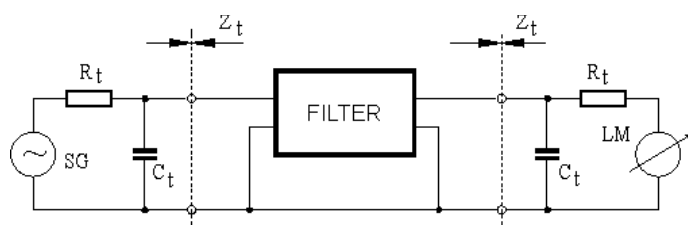
**SPECIFICATION FOR CRYSTAL FILTER**  
**MCF 21.4-6.9/10**Number: 91 971  
Drawing: 61 9580**1. Electric values**

- 1.0 Number of poles : 10
- 1.1 Nominal centre frequency  $f_{nom}$  : 21.4 MHz
- 1.2 Bandwidth between 6 dB frequencies :  $\geq \pm 3.45$  kHz
- 1.3 Ripple at  $f_{nom} \pm 2.0$  kHz :  $\leq 2.0$  dB
- 1.4 Insertion loss :  $\leq 5.0$  dB
- 1.5 Stop band  $f_{nom} \pm 6.68$  kHz :  $\geq 60$  dB  
 $f_{nom} \pm 10.0$  kHz :  $\geq 80$  dB
- 1.6 Ultimate attenuation  $f_{nom} \pm 10 \dots \pm 5000$  kHz :  $\geq 80$  dB
- 1.7 Level linearity at levels from -40 dBm to +5 dBm :  $\leq 0.5$  dB
- 1.8 Terminating impedance ( input and output ) : 50 Ohm // 0 pF
- 1.9 Operating temperature range : -40°C to +90°C
- 1.10 Case : KF 17 (38.4 x 18.2 x 13.0 mm)
- 1.11 Marking on the case : YY = year  
WW = week

KRYSTALÝ CZ YYWW  
MCF 21.4-6.9/10

**2. Characteristics MCF 21.4-6.9/10****Dimensions [mm]**  
**Case KF-17****Measurement Circuit**

|        |            |          |
|--------|------------|----------|
| edited | 21.09.2011 | P. Seidl |
|--------|------------|----------|