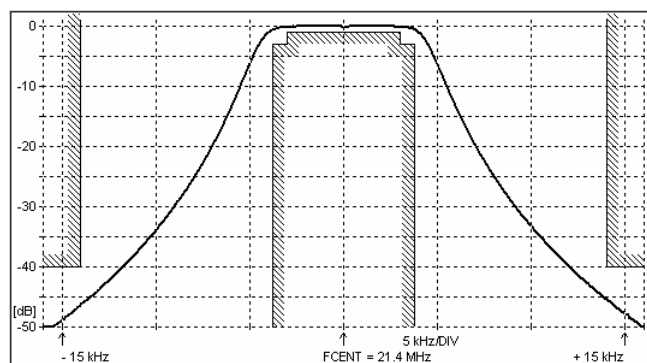
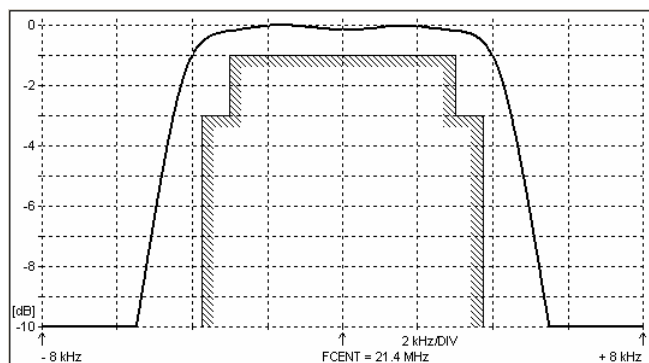
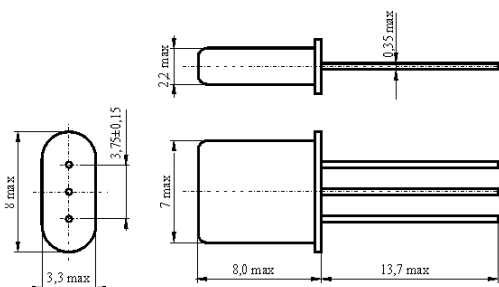
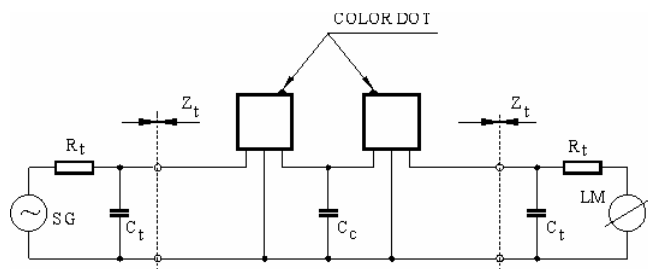


**SPECIFICATION FOR CRYSTAL FILTER**  
**MCF 21.4-7.5B**Number: 91 742  
Drawing: 61 9574**1. Electric values**

- 1.0 Number of poles : 4
- 1.1 Nominal centre frequency  $f_{nom}$  : 21.4 MHz
- 1.2 Bandwidth between 3 dB frequencies :  $\geq \pm 3.75\text{ kHz}$
- 1.3 Ripple at  $f_{nom} \pm 3.0\text{ kHz}$  :  $\leq 1.0\text{ dB}$
- 1.4 Insertion loss :  $\leq 2.5\text{ dB}$
- 1.5 Stop band:  $f_{nom} \pm 14\text{ kHz}$  :  $\geq 40\text{ dB}$   
 $f_{nom} \pm 30 \dots \pm 1000\text{ kHz}$  :  $\geq 60\text{ dB}$   
 $f_{nom} - 200 \dots - 1000\text{ kHz}$  :  $\geq 80\text{ dB}$
- 1.6 Terminating impedance ( input and output ) : 850 Ohm // 5.0 pF  
Coupling capacitance : 16.0 pF
- 1.7 Operating temperature range :  $-25^\circ\text{C}$  až  $+70^\circ\text{C}$
- 1.8 Case : 2 x UM-1
- 1.9 Marking on the case : YY = year  
WW = week

KRYSTALÝ  
21.4-7.5B  
YYWW

**2. Characteristics MCF 21.4-7.5B****Dimensions [mm]**  
**Case UM-1****Measurement Circuit**

|        |            |          |
|--------|------------|----------|
| edited | 01.04.2011 | P. Seidl |
|--------|------------|----------|