K **KRYSTALY HRADEC KRALOVE a.s.**

SPECIFCATION FOR CRYSTAL FILTER **Number: 92 063**
MCF 50.0-40/01 **Drawing: 64 9513**

1. Electric values_

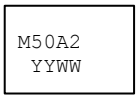
1.0 Number of poles:	2
1.1 Nominal centre frequency fnom:	50 000 kHz
1.2 Bandwidth between 1 dB frequencies:	≥± 20.0 kHz
1.3 Ripple at fnom ± 20.0 kHz:	≤ 1.0 dB
1.4 Insertion loss:	≤ 3.0 dB
1.5 Group delay distortion (fnom ± 20 kHz):	≤ 5 μs
1.6 Stop band: fnom ± 125 kHz:	≥ 20 dB (except spurious)
1.7 Alternate attenuation:	≥ 30 dB (except spurious)
1.8 Terminating impedance (input and output):	1500 Ohm // +0.3 pF
1.9 Input power level (working / non-damaged) :	0 dBm / +10 dBm
1.10 Operating temperature range:	- 20°C až + 70°C
1.11 Case:	SMD 7 x 5 mm
1.12 Taping 3000 pcs. /reel maximum	

2. Environment conditions

2.1 Vibration according to IEC68-2-29, test FC	- frequency range (amplitude 0,7 mm): 10 Hz - 55 Hz
	- acceleration :49,05 m/s^2, duration :0,5 hours
2.2 Shock according to IEC 68-2-27, test Fa	-number of directions : 3, peak acceleration : 490,5 m/s^2
	- duration of the nominal pulse: 1 ms, number of shocks: 3
2.3 Humidity test Db 40 according to IEC 68-2-30: 21 cycles	
2.4 Aging:	- 1000 hours at +70°C ±3°C

3. Others

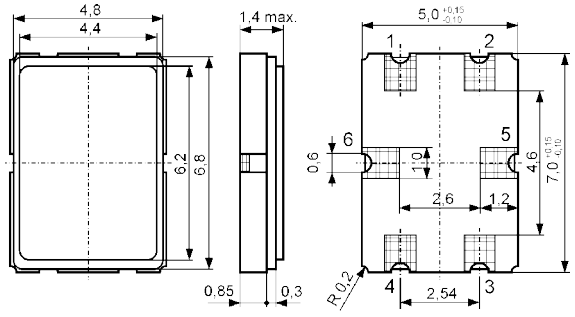
3.1 Marking on the case :



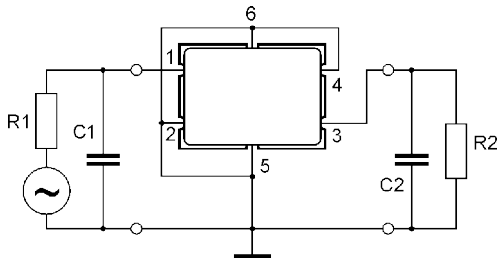
YY - year

WW – week

Dimensions[mm]



Measurement Circuit



	Date	Name
edited	21.09.2007	P.Jüngling

KRYSTALY HRADEC KRALOVE, a.s. OKRUZNI 1144, 500 03 HRADEC KRALOVE CZECH REPUBLIC
FAX : (+420) 495 541 258 PHONE : (+420) 495 408 409
E-mail : **krystaly@wo.cz**