



**SPECIFICATION FOR CRYSTAL FILTER**  
**MCF 100.0-8.0/01**

**Number: 92 030**  
**Drawing: 64 9513**

**1. Electric values**

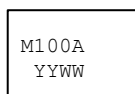
- 1.0 Number of poles: 2
- 1.1 Nominal centre frequency from: 100 000 kHz
- 1.2 Bandwidth between 3 dB frequencies:  $\geq \pm 4.0$  kHz
- 1.3 Ripple at from  $\pm 2.0$  kHz:  $\leq 1.0$  dB
- 1.4 Insertion loss:  $\leq 4.0$  dB
- 1.5 Stop band: from  $\pm 25$  kHz:  $\geq 20$  dB  
from  $\pm 50$  kHz:  $\geq 30$  dB
- 1.6 Alternate attenuation:  $\geq 40$  dB ( except spurious )
- 1.7 Terminating impedance ( input and output ): 800 Ohm // +0.65 pF
- 1.8 Nominal input power level: -10 dBm  
Maximal input power level: 0 dBm
- 1.9 Operating temperature range: - 20°C až + 70°C
- 1.10 Case: SMD 7 x 5 mm
- 1.11 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<sup>2</sup>, 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<sup>2</sup>  
- 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  $\pm 3^\circ\text{C}$

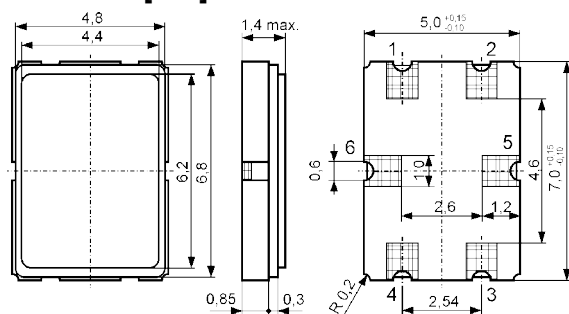
**3. Others**

3.1 Marking on the case :

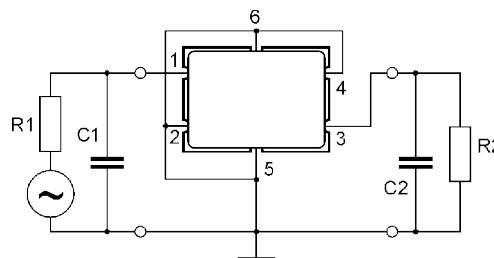


YY - year  
WW – week

**Dimensions[mm]**



**Measurement Circuit**



	Date	Name
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