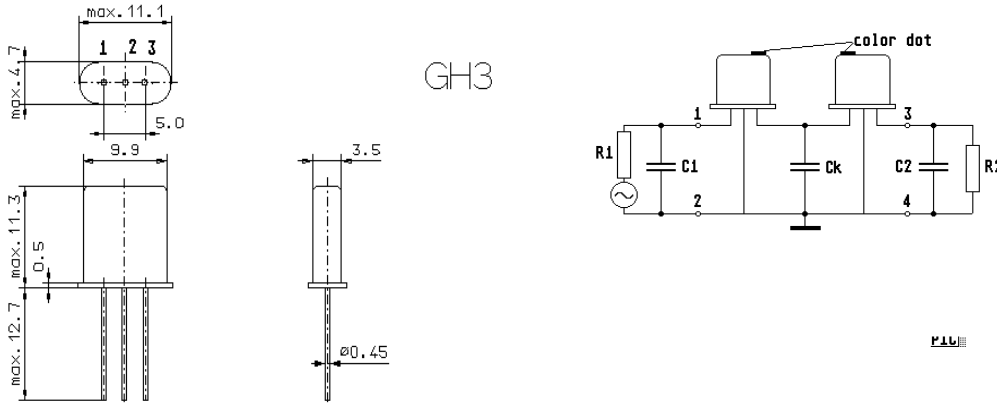


Specification for monolithic crystal filter:

**MQF 10.7-0750/02**

**1. General**

1.1. Case:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-0750/02 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operable temperature range:  | -30°C to 80°C    |
| 1.5. Operating temperature range: | -25°C to 70°C    |
| 1.6. Storage temperature range:   | -55°C to 80°C    |

**2. Electric values**

- |   |                                    |
|---|------------------------------------|
| 2.1. Nominal centre frequency $f_0$ :                                       | 10.7 MHz                           |
| 2.2. <b>Pass band</b>   |                                    |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 3.75$ kHz            |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_0 \pm 3.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 2.5$ dB                      |
| 2.3. <b>Stop band</b>   |                                    |
| 2.3.1. $f_0 \pm 14$ kHz   | $\geq 40$ dB                       |
| 2.3.2. $f_0 + 300$ kHz.....+ 1000 kHz                                       | $\geq 65$ dB                       |
| 2.3.3. $f_0 - 200$ kHz.....- 1000 kHz                                       | $\geq 80$ dB                       |
| 2.4. Terminating impedance ( input and output ):                            | $1800 \Omega // 3.5$ pF            |
| 2.4.1. Coupling capacitance $C_c$ :   | 12 pF                              |
| 3. Marking on the case:   | firm, year week<br>10.7-0750/02    |

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_