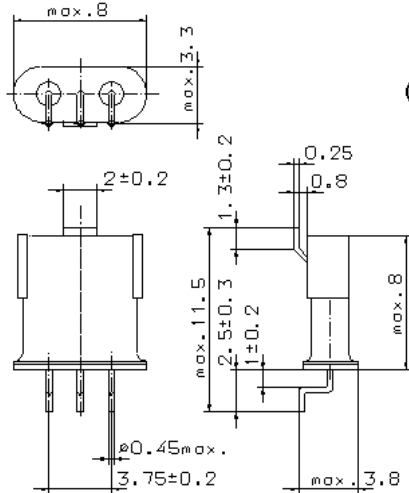
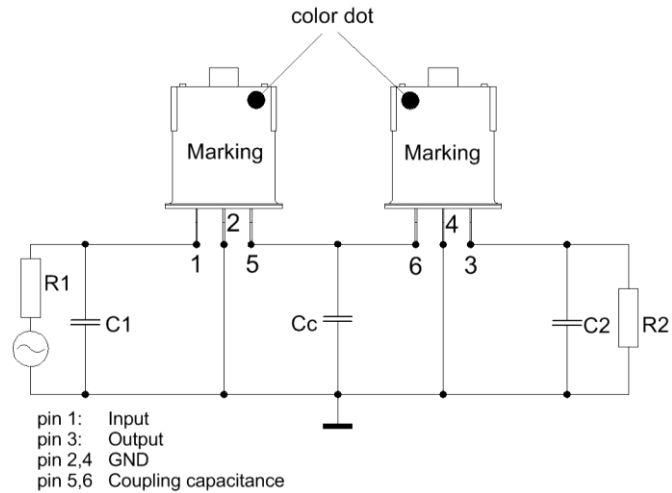


Specification for monolithic crystal filter:

MQF 40.5 - 4600 / 02 V 0
1. General

1.1. Package: 2 x GH9S2 (each filter consists of a pair of two matched duals)


GH9S2


- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 40.5-4600/02V0 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +100°C |

2. Electric values

 2.1. Nominal centre frequency f_0 : 40.5 MHz

2.2. Pass band

- | | |
|---|-----------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 23.0$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_0 \pm 15$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|---|--------------|
| 2.3.1. $f_0 \pm 100$ kHz | ≥ 20 dB |
| 2.3.2. $f_0 - 900$ kHz | > 70 dB |
| 2.3.3. Spurious responses
in the range $f_0 + 100 \dots 1000$ kHz: | > 40 dB |

 2.4. Terminating impedance R//C (input and output): 1600 Ω // 0.5 pF

 2.4.1. Coupling capacitance C_C : 1.8 pF

 3. Marking: manufacturer, date code
 40.5-4600/02V0

4. Environment conditions: Corresponding to MSCC standard CF001

Edited by: _____ date: _____ name: _____