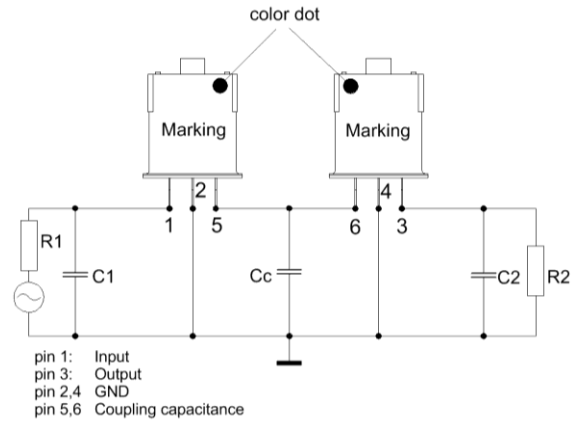
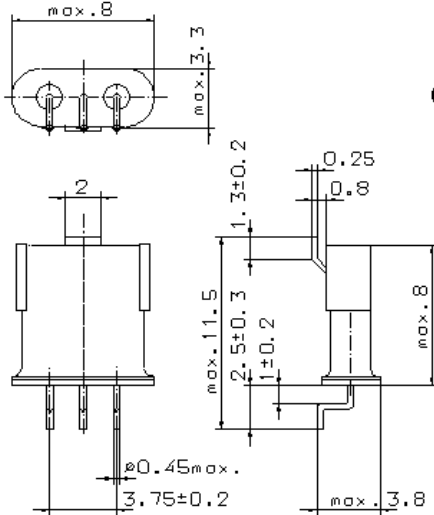


Specification for monolithic crystal filter:

MQF 45.0-5000/08

1. General

1.1. Package: 2 x GH 9/S2



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-5000/08 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -35°C to +80°C |

2. Electric values

2.1. Nominal centre frequency fo: 45.0 MHz

2.2. Pass band

- | | |
|---|---------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | ≥ fo ± 25.0 kHz |
| 2.2.2. Ripple: | Gaussian |
| 2.2.3. Group delay distortion: | ≤ 2.5 μs at fo ± 25.0 kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|------------------------------|---------|
| 2.3.1. fo ± 100 kHz | ≥ 35 dB |
| 2.3.2. Alternate attenuation | ≥ 60 dB |
| 2.3.3. Spurious responses: | ≥ 10 dB |

2.4. Terminating impedance R//C (input and output): 2700 Ω // -0.3 pF ± 0.2 pF

2.4.1. Coupling capacitance Cc: 1.5 pF

3. Marking: manufacturer, date code
45.0-5000/08

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: _____ date: _____ name: _____