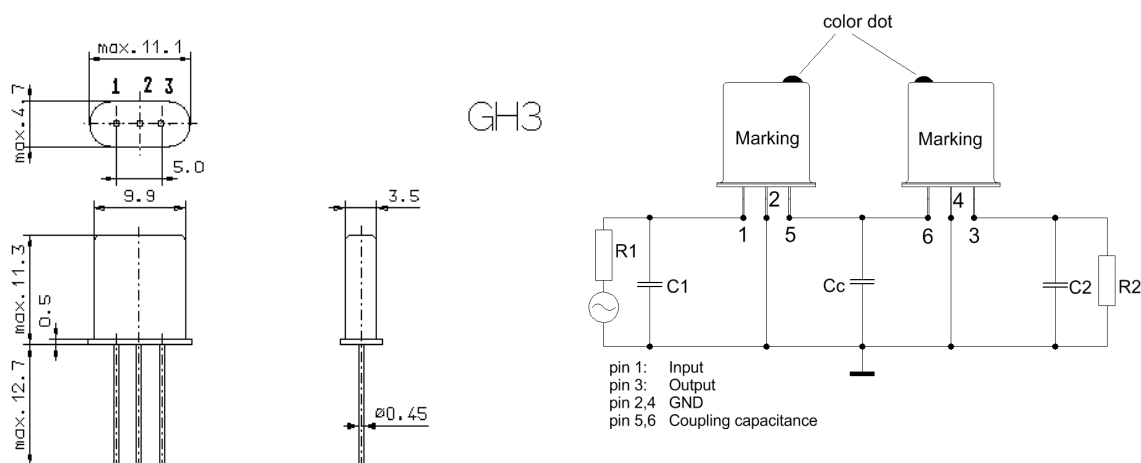


Specification for monolithic crystal filter:

MQF 10.7 - 3000 / 02

1. General

1.1. Package: 2 x GH 3 (each filter consists of a pair of two matched duals)



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.7-3000/02 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 10.7 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|---|-----------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 15$ kHz |
| 2.2.2. Ripple (at $f_0 \pm 10$ kHz): | ≤ 1.0 dB |
| 2.2.3. Insertion loss: | ≤ 2.5 dB |
| (measured on smallest attenuation in pass band) | |

2.3. Stop band

- | | |
|--|--------------|
| 2.3.1. $f_0 \pm 40$ kHz | ≥ 30 dB |
| 2.3.2. $f_0 \pm 50$ kHz..... ± 300 kHz | ≥ 40 dB |
| 2.3.3. Spurious responses: | ≥ 30 dB |

- | | |
|--|--------------------------|
| 2.4. Terminating impedance (input and output): | $5500 \Omega // -1.0$ pF |
| 2.4.1. Coupling capacitance C_c : | 0.0 pF |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
10.7-3000/02 |
|-------------|---|

- | | |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____