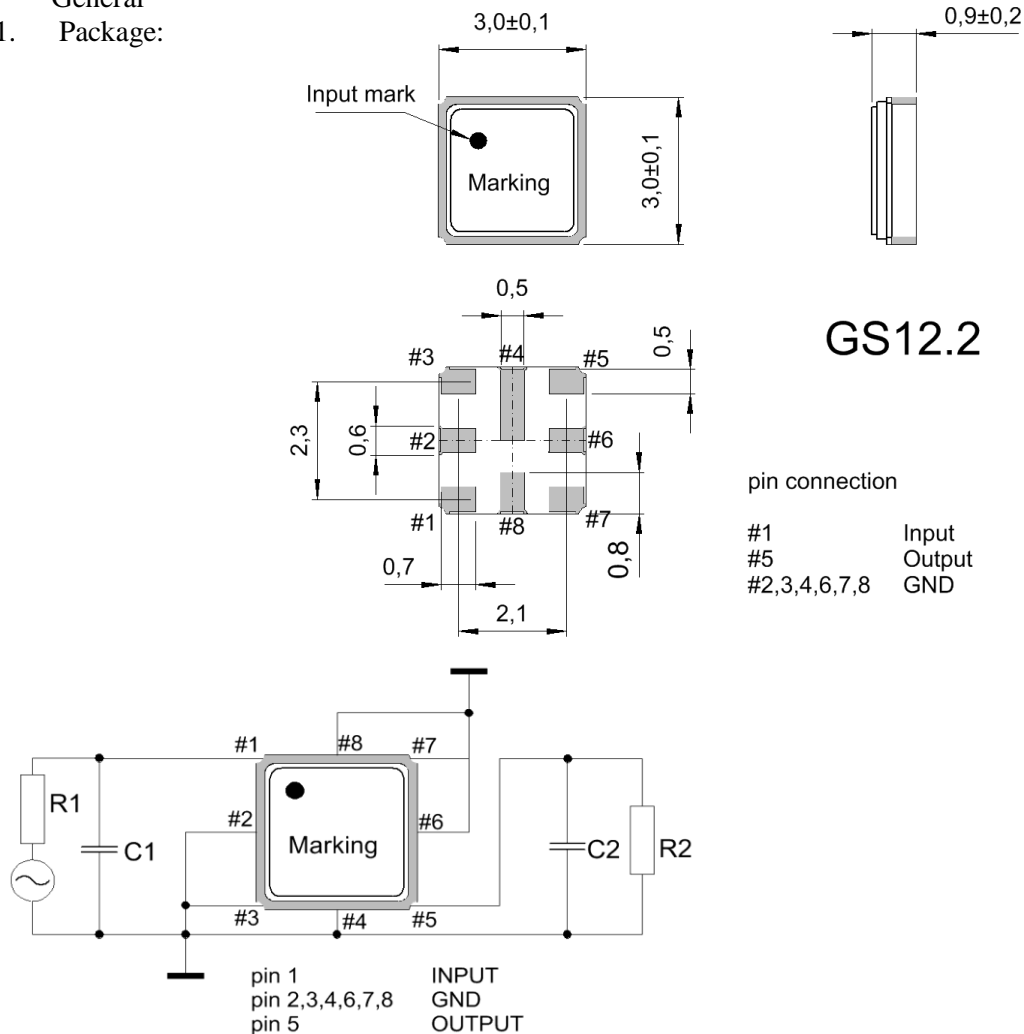


Specification for monolithic crystal filter: **MQF 101.0 - 4000 / 01**

1. General
1.1. Package:



GS12.2

- 1.2. Type name: MQF 101.0-4000/01
1.3. Number of poles: 3
1.4. Operating temperature range: -30°C to +85°C
1.5. Storage temperature range: -40°C to +85°C

2. Electric values

- 2.1. Nominal centre frequency f_0 : 101.0 MHz

2.2. Pass band

- 2.2.1. Bandwidth between 1 dB - frequencies: $> f_0 \pm 14$ kHz
2.2.2. Bandwidth between 3 dB - frequencies: $> f_0 \pm 20$ kHz
2.2.3. Ripple in pass band ($f_0 \pm 14$ kHz): < 1.0 dB
2.2.4. Insertion loss: < 5.0 dB
(measured on smallest attenuation in pass band)

2.3. Stop band

- 2.3.1. $f_o \pm 150$ kHz > 40 dB
- 2.3.2. $f_o \pm 250$ kHz > 50 dB
- 2.3.3. Guaranteed attenuation ($f_o - 900$ kHz): > 70 dB
- 2.3.5. Spurious responses: > 10 dB

2.4. Terminating impedance (input and output): 400 Ω // -1.0 pF

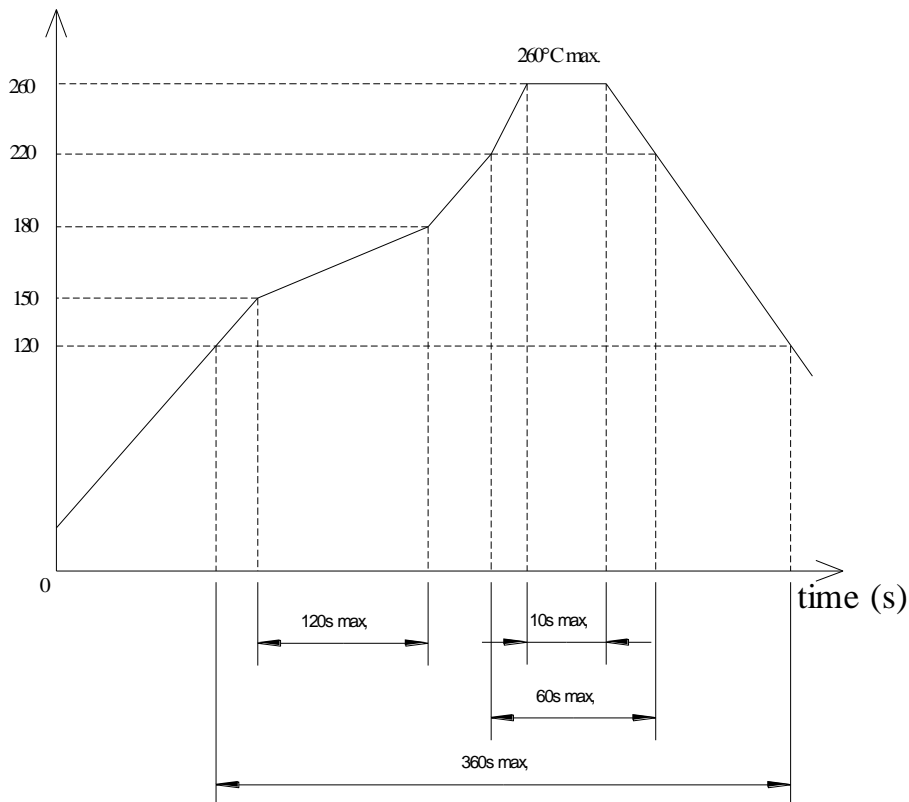
2.5. Maximum input power (working/non-damaged): -10 dBm / 0 dBm

3. Environment conditions: Corr. to Vectron MIL standard

4. Marking: ● date code
M101

5. Reflow soldering conditions (3 times maximum):

temperature ($^{\circ}\text{C}$)



Reflow soldering: three times max.

6. Taping:
tape & reel, 2000 pcs. / reel maximum, reel diameter 180 mm

Edited by: _____ date: _____ name: _____