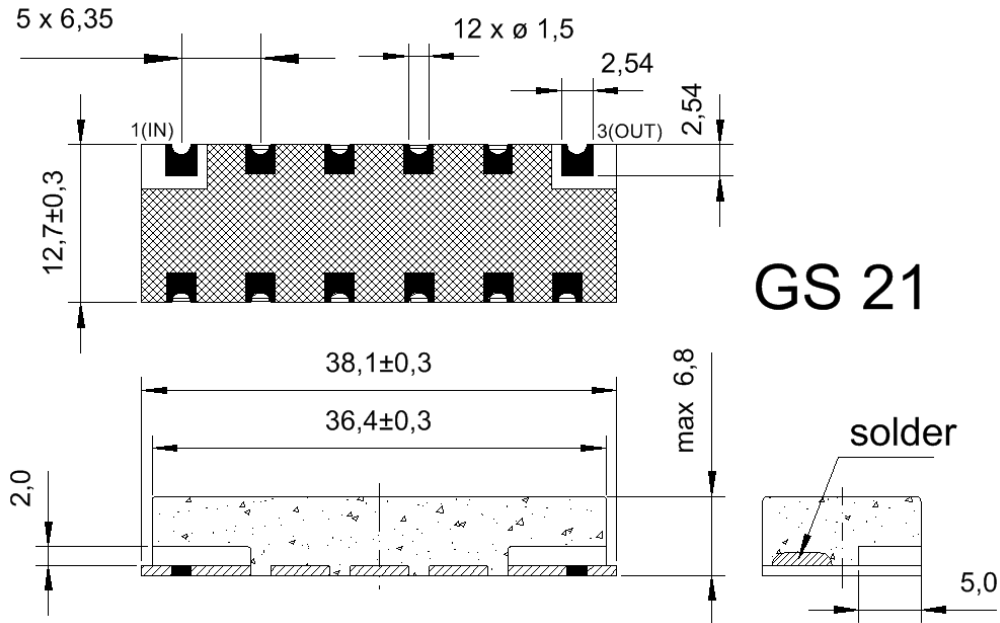


Specification for monolithic crystal filter: **MQF 38.4-0600/06**

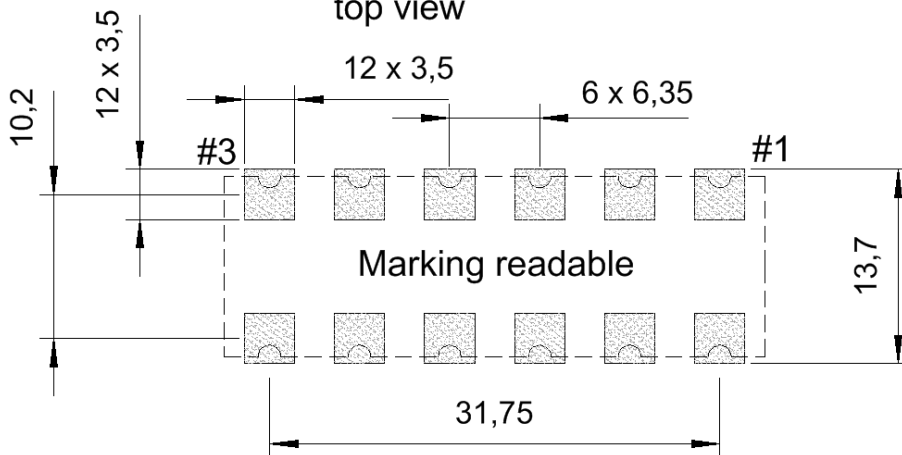
1. General

1.1. Package:



GS 21

recommended footprint for package GS 21.xx
top view



pin connection:

- #1 Input
- #3 Output
- all other pads GND

- 1.2. Type name: MQF 38.4-0600/06
1.3. Number of poles: 6
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values

- 2.1. Nominal centre frequency f_0 : 38.4 MHz

2.2. Pass band

- 2.2.1. Bandwidth between 3 dB - frequencies: $> f_0 \pm 3$ kHz
2.2.2. Ripple: < 2.0 dB at $f_0 \pm 2.0$ kHz
2.2.3. Insertion loss: < 5.5 dB
(measured on smallest attenuation in pass band)

2.3. Stop band

- 2.3.1. $f_0 \pm 10$ kHz > 40 dB
2.3.2. $f_0 \pm 12.5$ kHz > 60 dB
2.3.3. Alternate attenuation: > 60 dB

- 2.4. Terminating impedance R//C (input and output): $50 \Omega // 0$ pF

- 2.5. Maximum input power (working / non-damaged) +0 dBm / +15 dBm

3. Marking: manufacturer, date code
MQF 38.4-0600/06

4. Environment conditions: According to Vectron standard CF001

5. Reflow soldering for Pb-free assembly:

$> 100^\circ\text{C}$ for maximum 600 seconds
 $> 200^\circ\text{C}$ for maximum 180 seconds
 $> 260^\circ\text{C}$ for maximum 30 seconds, (peak temperature)
cool - down time: 2 hours

6. Packing: tape & reel, maximum 500 pcs. / reel.

Edited by: _____ date: _____ name: _____