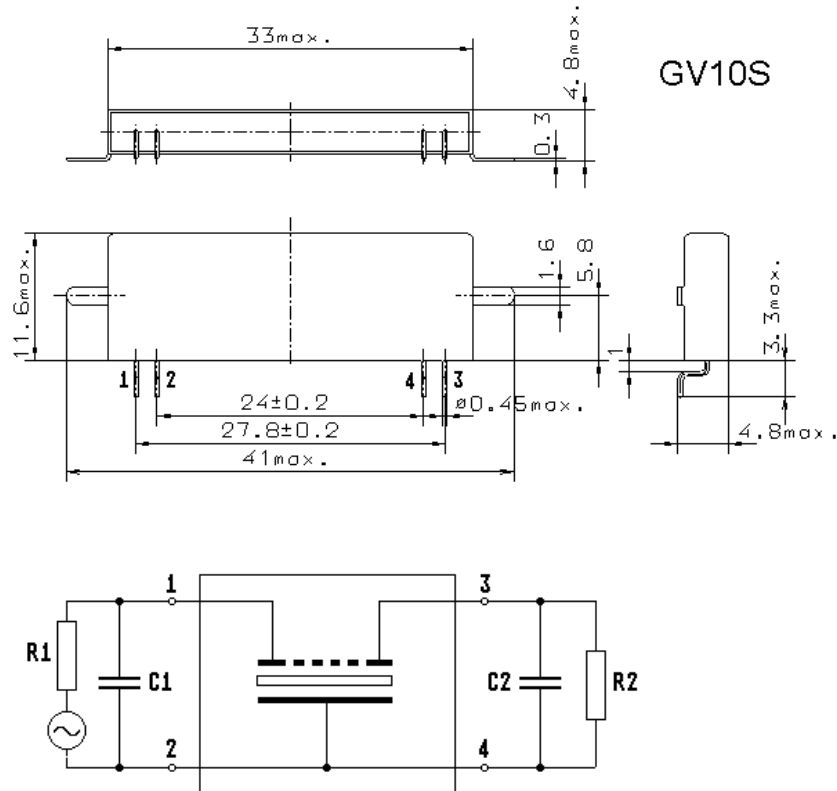


Specification for monolithic crystal filter:

MQF 21.4-1700/12

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-1700/12 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -35°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|-----------------------------------------------------------------------------|----------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 8.5$ kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at $f_0 \pm 7$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|---------------------------------------------|----------------------------------|
| 2.3.1. $f_0 \pm 18.5$ kHz | ≥ 60 dB |
| 2.3.2. $f_0 \pm 30$ kHz..... ± 5000 kHz | ≥ 90 dB (except spurious) |

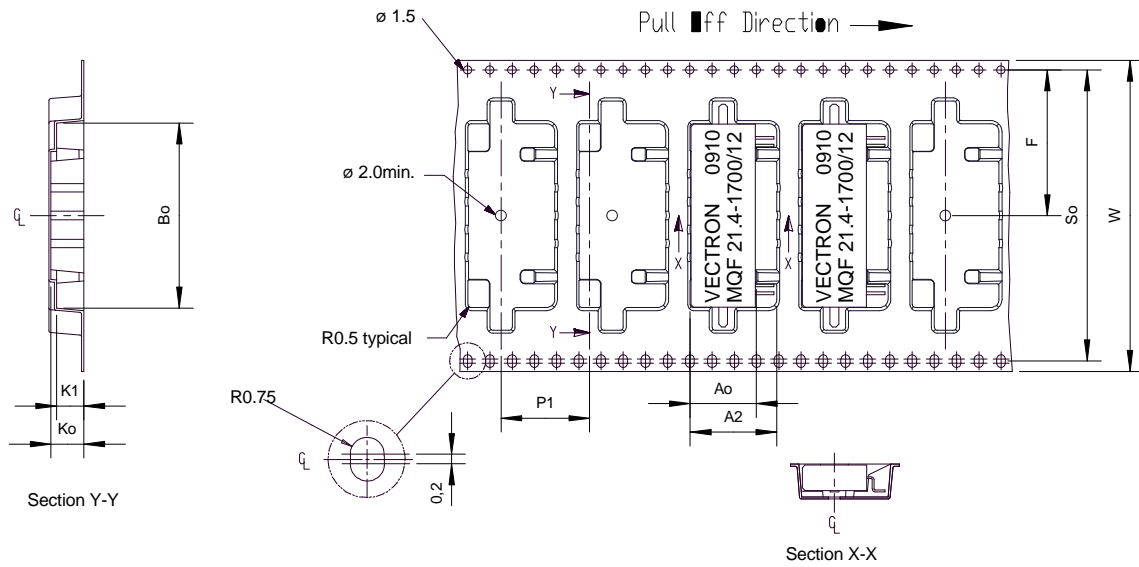
- | | |
|--------------------------------------------------|-------------------------|
| 2.4. Terminating impedance (input and output): | $1800 \Omega // 1.0$ pF |
|--------------------------------------------------|-------------------------|

- | | |
|-------------|---------------------------------------------|
| 3. Marking: | manufacturer, date code
MQF 21.4-1700/12 |
|-------------|---------------------------------------------|

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

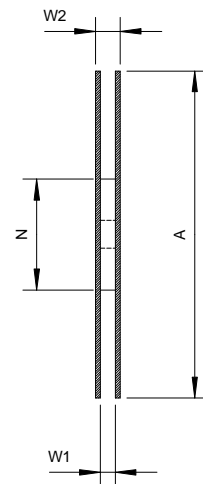
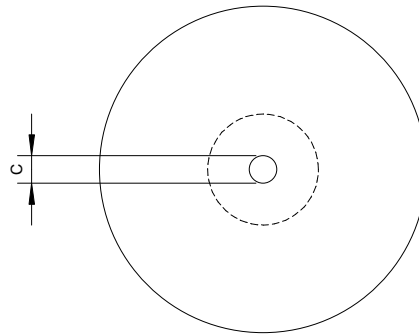
6. Taping:

500 pcs. / reel maximum



Tape (all dimensions in mm)

- W: 56.0 ± 0.3
- P1: 20.0 ± 0.1
- F: 26.2 ± 0.15
- Ko: 5.9 ± 0.2
- K1: 4.9 ± 0.1
- Ao: 11.9 ± 0.1
- A2: 15.6 ± 0.2
- Bo: 33.3 ± 0.1
- So: 52.4 ± 0.1



Reel (all dimension in mm)

- A: ø 330 max.
- C: ø 13 ± 0.5
- N: ø 20.2 min
- W1: 56.4 +1 / -0
- W2: 61.0 ± 1.5

Edited by: _____ date: _____ name: _____