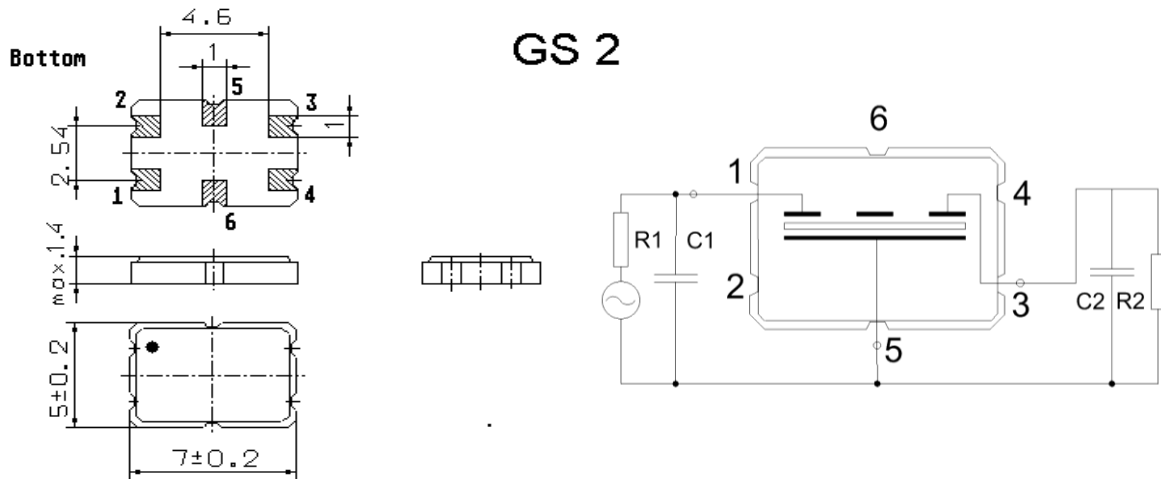


Specification for monolithic crystal filter: **MQF 73.35 - 4400/06**

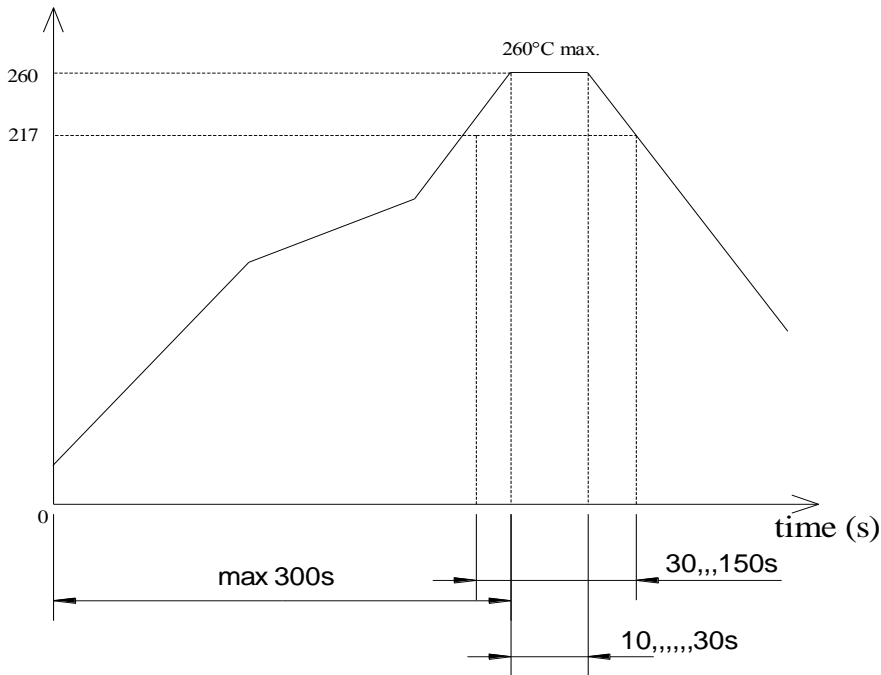
1. General

1.1. Package:



- | | |
|-----------------------------------|-------------------|
| 1.2. Type name: | MQF 73.35-4400/06 |
| 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 |

temperature (°C)



Reflow soldering: three times max.

2. Electric values

- 2.1. Nominal centre frequency f_0 : 73.35 MHz
2.1.1 Center frequency f_c at +25°C: 73.35 MHz \pm 1.5 kHz

2.2. Pass band

- 2.2.1. Bandwidth between 1 dB - frequencies: $> f_0 \pm 21.5$ kHz at +25°C
 $< f_0 \pm 24.5$ kHz at +25°C
2.2.2. Ripple: < 1.5 dB at $f_0 \pm 22.0$ kHz
2.2.3. Insertion loss: < 2.5 dB
(measured on smallest attenuation in pass band)

2.3. Stop band

- 2.3.1. $f_0 \pm 45$ kHz > 10 dB
2.3.2. $f_0 \pm 4.32$ MHz > 60 dB (except spurious)
2.3.3. Spurious response > 10 dB
2.3.4 Group delay distortion $f_0 \pm 22.0$ kHz < 10 μ s

- 2.4. Terminating impedance R//C (input and output): 1000 Ω // -0.6 pF

- 2.5. Maximum input power level -10 dBm

2. 6. Intermodulation (IP3 > 23 dBm)

- 2.6.1. frequency 1: $f_0 \pm 600$ kHz
2.6.2. frequency 2: $f_0 \pm 1200$ kHz
2.6.3. Input power level: -20 dBm
2.6.4. IM: > 86 dB

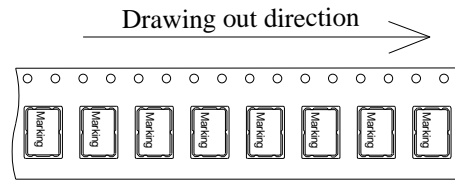
3. Marking: • M73354
yyww

4. Environment conditions: Corresponding to Vectron standard CF001

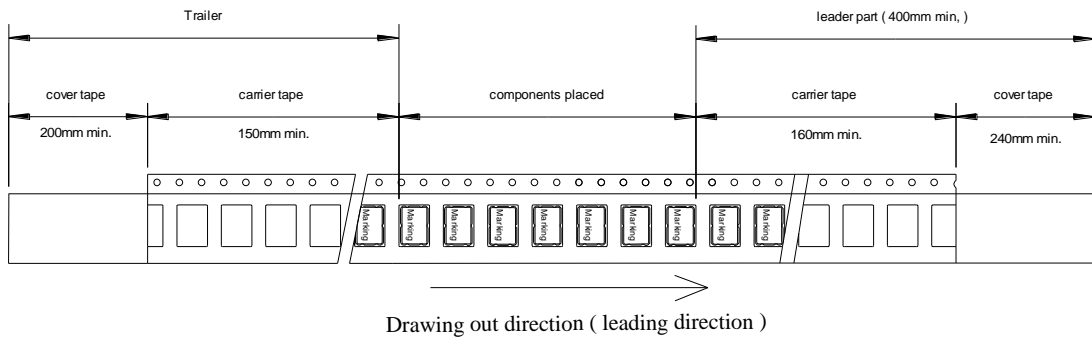
5. Filters are Pb-free and 2002 /95 / EC RoHS compliant

6. Packing

maximum 1000 pcs. / reel

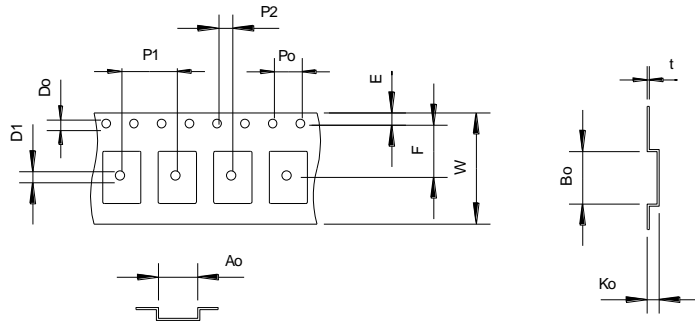


Tape dimension (mm)



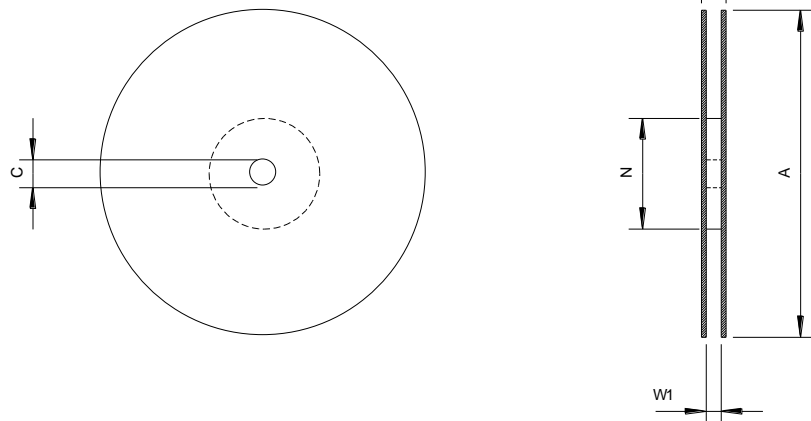
Tape (all dimensions in mm)

- W: 16.0 ± 0.1
- Po: 4.0 ± 0.1
- P1: 8.0 ± 0.1
- P2: 2.0 ± 0.1
- Do: $1.5 +0.1 / -0$
- D1: $1.6 +0.1 / -0$
- E: 1.75 ± 0.1
- F: 7.5 ± 0.1
- Ko: 1.7 ± 0.1
- Ao: 5.6 ± 0.1
- Bo: 7.6 ± 0.1
- t: 0.3 ± 0.05



Reel (all dimension in mm)

- A: $\varnothing 178 \pm 2$
- C: $\varnothing 13 \pm 0.5$
- N: $\varnothing 60 \pm 1$
- W1: 17.5 ± 1.5
- W2: 21.5 ± 1.5



Edited by: _____ date: _____ name: _____