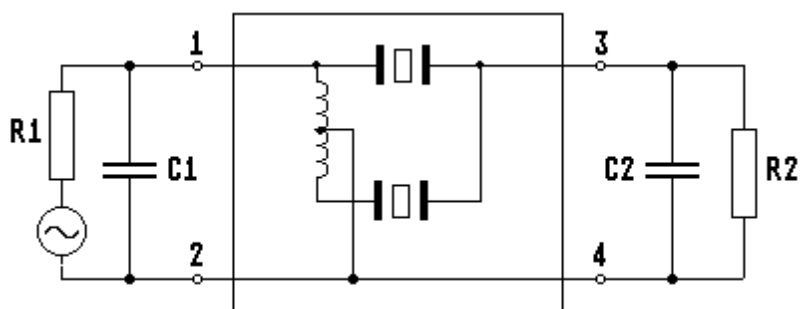
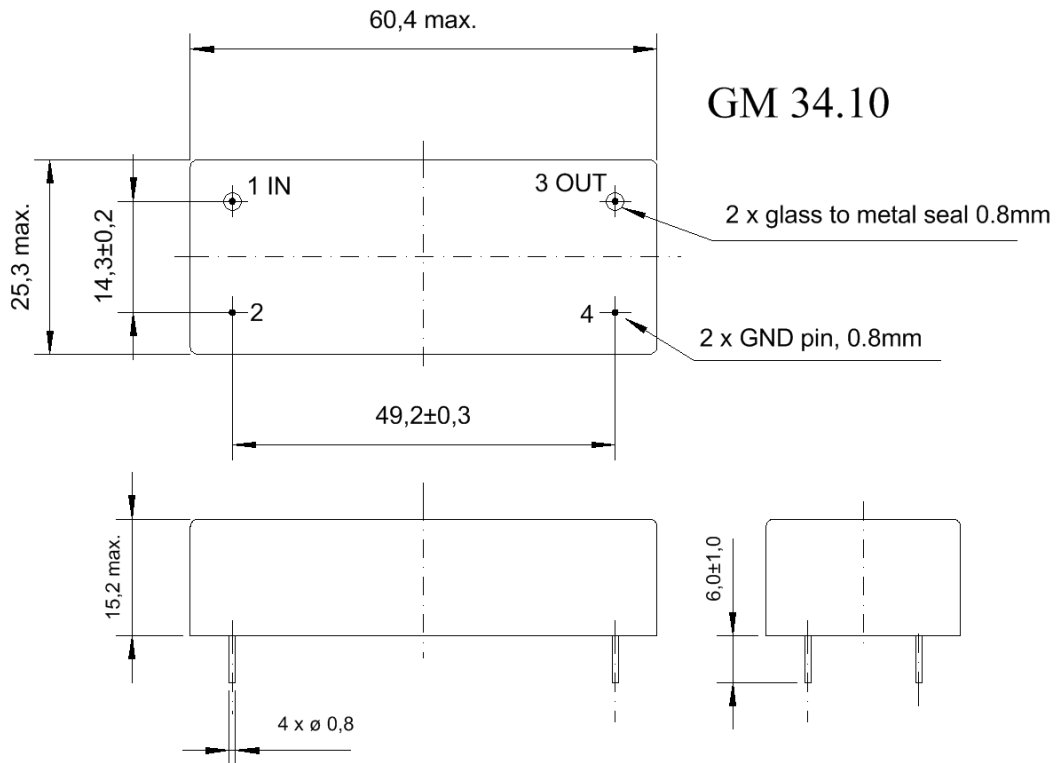


Specification for crystal filter: **QF 2.76635-0275/07**

1. General

1.1. Package: Hermetically sealed with steel cover



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | QF 2.76635-0275/07 |
| 1.3. Number of poles:             | 8                  |
| 1.4. Operating temperature range: | 0°C to +50°C       |
| 1.5. Storage temperature range:   | -40°C to +100°C    |

2. Electric values

- |  |                              |
|--|------------------------------|
| 2.1. Nominal centre frequency ( $f_0$ ):         | 2.766350 MHz                 |
| 2.2. Pass band                                   |                              |
| 2.2.1. Bandwidth between 3 dB - frequencies:     | $> f_0 \pm 1.375$ kHz        |
| 2.2.2. Ripple in pass band at $f_0 \pm 1.0$ kHz: | $< 2.0$ dB ( peak top peak ) |

- 2.2.3. Differential group delay at  $f_0 \pm 1.1$  kHz: < 1.0 ms
- 2.2.4. Insertion loss: < 3.5 dB
- 2.2.5. Return loss at  $f_0 \pm 1.0$  kHz and at +25°C: < 12.0 dB

2.3. Stop band

- 2.3.1.  $f_0 - 1.675$  kHz: > 20 dB
- 2.3.2.  $f_0 - 2.09$  kHz: > 40 dB
- 2.3.3.  $f_0 + 2.325$  kHz: > 30 dB
- 2.3.4.  $f_0 - 2.8$  kHz: > 60 dB
- 2.3.5.  $f_0 + 3.325$  kHz: > 60 dB
- 2.3.6.  $f_0 \pm 5.0$  kHz.....  $f_0 \pm 500$  kHz: > 80 dB ( except spurious )

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

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

2.5.1. Input power level for reference measurements: -10 dBm

3. Marking:

top view



4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_