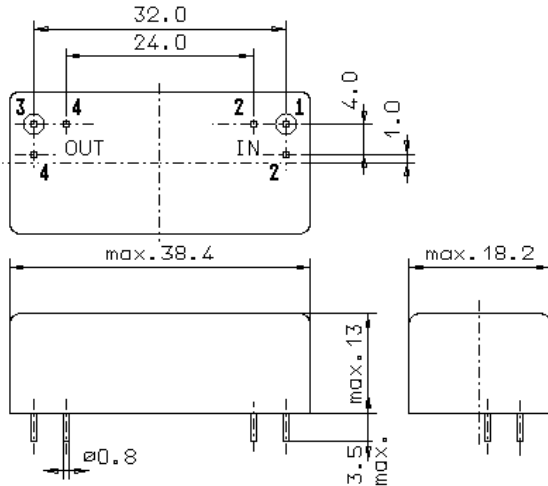


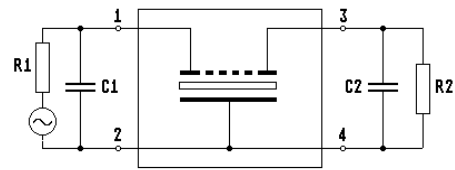
Specification for monolithic crystal filter: **MQF 40.625-0750/08**

**1. General**

1.1. Package:



GM17



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 40.625-0750/08 |
| 1.3. Number of poles:             | 6                  |
| 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 $f_0$ : | 40.625 MHz |
|---------------------------------------|------------|

**2.2. Pass band**

- |   |                                  |
|---|----------------------------------|
| 2.2.1. Centre frequency $f_c$ at +25°C:                                     | 40.625 MHz $\pm$ 500 Hz          |
| 2.2.2. Bandwidth between 3 dB - frequencies:                                | $\geq f_c \pm 3.75$ kHz          |
| 2.2.3. Ripple:  | $\leq 2$ dB at $f_c \pm 2.5$ kHz |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 7.0$ dB                    |

**2.3. Stop band**

- |                              |                                 |
|------------------------------|---------------------------------|
| 2.3.1. $f_c \pm 10.5$ kHz    | $\geq 50$ dB                    |
| 2.3.2. Alternate attenuation | $\geq 60$ dB (except spurious ) |

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

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 40.625-0750/08 |
|-------------|---|

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

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