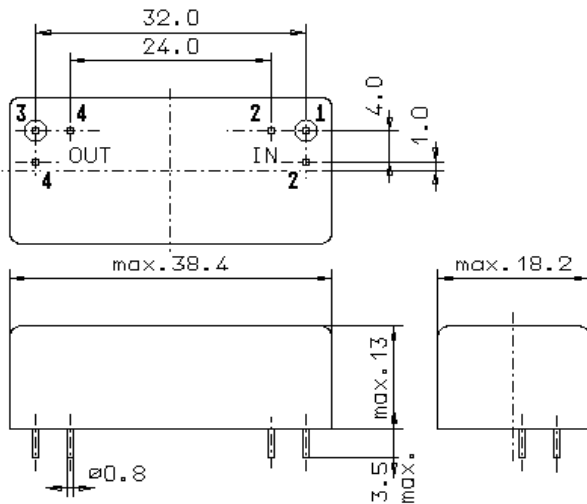


Specification for monolithic crystal filter:

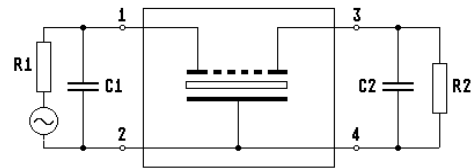
**MQF 21.4-5000/07**

**1. General**

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-5000/07 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -40°C to +85°C   |

**2. Electric values**

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

**2.2. Pass band**

- |   |  |
|---|--|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_o \pm 25$ kHz                    |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_o \pm 20$ kHz        |
| 2.2.3. Group delay distortion at -30°C.....+70°C                            | $\leq 20$ $\mu$ s at $f_o \pm 20$ kHz at |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.0$ dB                            |

**2.3. Stop band**

- |  |                                  |
|--|----------------------------------|
| 2.3.1. $f_o \pm 62.5$ kHz                  | $\geq 60$ dB                     |
| 2.3.2. $f_o \pm 62.5$ kHz..... $\pm 5$ MHz | $\geq 60$ dB ( except spurious ) |

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

- |                                 |         |
|---------------------------------|---------|
| 2.5. Maximum input power level: | +10 dBm |
|---------------------------------|---------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 21.4-5000/07 |
|-------------|---|

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

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