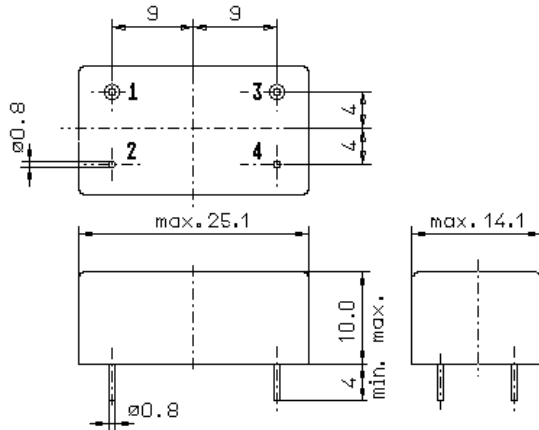


Specification for monolithic crystal filter:

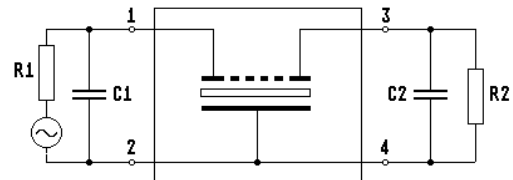
**MQF 84.25-5000/06**

## 1. General

### 1.1. Package:



GM3



- |                                   |                   |
|-----------------------------------|-------------------|
| 1.2. Type name:                   | MQF 84.25-5000/06 |
| 1.3. Number of poles:             | 4                 |
| 1.4. Operating temperature range: | -20°C to +70°C    |
| 1.5. Storage temperature range:   | -40°C to +85°C    |

## 2. Electric values

- |                                       |           |
|---------------------------------------|-----------|
| 2.1. Nominal centre frequency $f_0$ : | 84.25 MHz |
|---------------------------------------|-----------|

### 2.2. Pass band

- |   |                                |
|---|--------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 25$ kHz          |
| 2.2.2. Ripple in pass band:   | $\leq 1.0$ dB ( peak to peak ) |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 3.5$ dB                  |

### 2.3. Stop band

- |                               |                                 |
|-------------------------------|---------------------------------|
| 2.3.1. $f_0 \pm 100$ kHz      | $\geq 40$ dB                    |
| 2.3.2. $f_0 \pm 200$ kHz      | $\geq 50$ dB                    |
| 2.3.3. Alternate attenuation: | $\geq 80$ dB (except spurious ) |
| 2.3.4. Spurious responses:    | $> 20$ dB                       |

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

- |  |                  |
|--|------------------|
| 2.5. Max. input power level ( working/non-damaged ): | -5 dBm / +10 dBm |
|--|------------------|

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|-------------|---|
| 3. Marking: | manufacturer, date code<br>27H34328425<br>MQF 84.25-5000/06 |
|-------------|---|

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

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