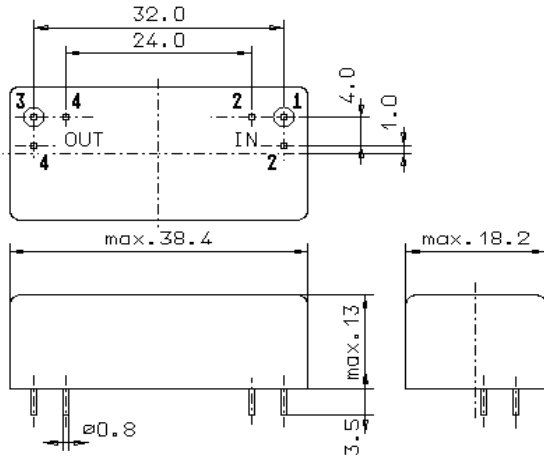


Specification for crystal filter:

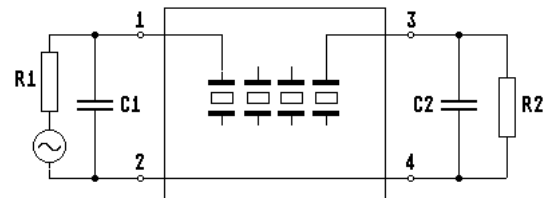
**QF 10.7-0050/11**

**1. General**

1.1. Package:



GM17



- |                                   |                 |
|-----------------------------------|-----------------|
| 1.2. Type name:                   | QF 10.7-0050/11 |
| 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**

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|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 10.7 MHz |
|---------------------------------------|----------|

**2.2. Pass band**

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|---|------------------------------------|
| 2.2.1. Centre frequency $f_c$ at +25°C:                                     | 10.7 MHz $\pm$ 75 Hz               |
| 2.2.2. Bandwidth between 3 dB - frequencies:                                | $> f_c \pm 250$ Hz                 |
| 2.2.3. Ripple ( at $f_c \pm 100$ Hz ):                                      | $< 0.6$ dB ( peak to peak )        |
| 2.2.4. Return loss ( at $f_c \pm 150$ Hz ):                                 | $> 9.55$ dB ( i. e. VSWR $< 2.0$ ) |
| 2.2.5. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 5.0$ dB                         |

**2.3. Stop band**

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|-------------------------------|-------------------------------|
| 2.3.1. $f_0 \pm 1.5$ kHz:     | $> 40$ dB                     |
| 2.3.2. $f_0 \pm 2.5$ kHz:     | $> 60$ dB                     |
| 2.3.3. $f_0 \pm 6.0$ kHz:     | $> 80$ dB                     |
| 2.3.4. Alternate attenuation: | $> 80$ dB ( except spurious ) |

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

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|---|-----------------|
| 2.5. Maximum input power level ( working / non-damaged ): | 0 dBm / +10 dBm |
|---|-----------------|

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|-------------|--|
| 3. Marking: | manufacturer, date code<br>QF 10.7-0050/11 |
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|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
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Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_