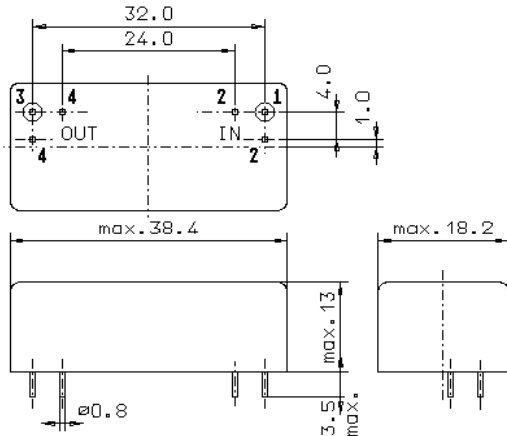
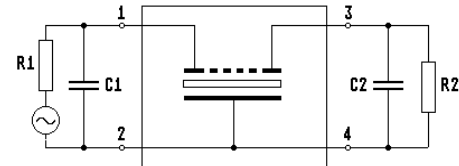


**1. General**

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 70.0-0610/03 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -40°C to +75°C   |
| 1.5. Storage temperature range:   | -40°C to +85°C   |

**2. Electric values**

- |   |   |
|---|---|
| 2.1. Nominal centre frequency $f_0$ :                                       | 70.0 MHz  |
| <b>2.2. Pass band</b>   |   |
| 2.2.1. Bandwidth between 2 dB - frequencies:                                | $\geq f_0 \pm 3.05$ kHz                                       |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 3.05$ kHz                           |
| 2.2.3. Group delay distortion:  | $\leq 80$ $\mu$ s at $f_0 \pm 3.05$ kHz and +25°C             |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 5.0$ dB   |
| <b>2.3. Stop band</b>   |   |
| 2.3.1. $f_0 \pm 16.0$ kHz   | $\geq 65$ dB  |
| 2.3.2. $f_0 \pm 1$ MHz  | $\geq 65$ dB  |
| 2.3.3. Spurious responses:  | $\geq 45$ dB  |
| 2.4. Terminating impedance ( input and output ):                            | 50 $\Omega$ // 0 pF   |
| <b>2.5. Intermodulation</b>   |   |
| 2.5.1. frequencies in stop band:<br>input power level:<br>IM:               | $f_0 \pm 50$ kHz / $f_0 \pm 100$ kHz<br>0 dBm<br>$\geq 64$ dB |
| 2.5.2. frequencies in pass band:<br>input power level:<br>IM:               | $f_0 \pm 2$ kHz<br>0 dBm<br>$\geq 32$ dB                      |
| 3. Marking:   | manufacturer, date code<br>MQF 70.0-0610/03                   |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001                       |