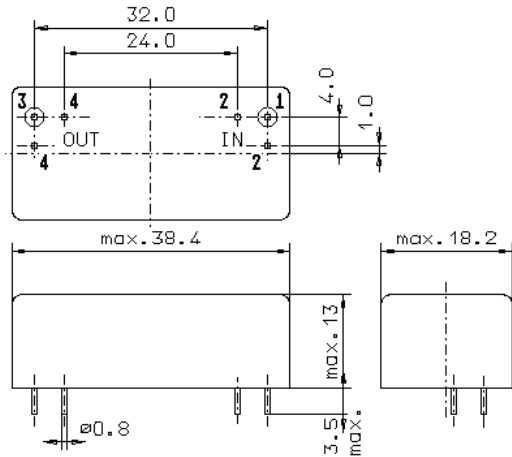
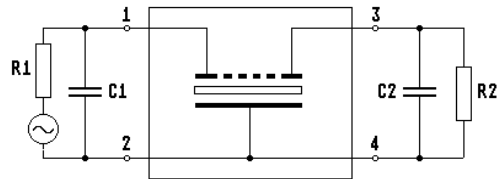


**1. General**

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.0-0300/04 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°C to +105°C  |

**2. Electric values**

- |                                                   |                                    |
|---------------------------------------------------|------------------------------------|
| 2.1. Nominal centre frequency $f_0$ :             | 10.0 MHz                           |
| 2.2. <b>Pass band</b>                             |                                    |
| 2.2.1. Centre frequency $f_c$ :                   | 10.0 MHz $\pm$ 200 Hz              |
| 2.2.2. Bandwidth between 3 dB - frequencies:      | $\geq f_c \pm 1.2$ kHz             |
| 2.2.3. Ripple:                                    | $\leq 2.0$ dB at $f_c \pm 1.1$ kHz |
| 2.2.4. Insertion loss:                            | $\leq 4.0$ dB                      |
| ( measured on smallest attenuation in pass band ) |                                    |
| 2.3. <b>Stop band</b>                             |                                    |
| 2.3.1. $f_c \pm 1.5$ kHz                          | $\geq 6$ dB                        |
| 2.3.2. $f_c \pm 2$ kHz                            | $\geq 20$ dB                       |
| 2.3.3. $f_c \pm 3$ kHz                            | $\geq 40$ dB                       |
| 2.3.4. $f_c \pm 4$ kHz                            | $\geq 60$ dB                       |
| 2.3.5. $f_c \pm 5$ kHz                            | $\geq 70$ dB                       |
| 2.3.6. $f_c \pm 6$ kHz                            | $\geq 80$ dB                       |
| 2.3.7. $f_c \pm 7$ kHz                            | $\geq 90$ dB                       |
| 2.3.8. $f_c \pm 8$ kHz                            | $\geq 90$ dB                       |

- |                                                  |                        |
|--------------------------------------------------|------------------------|
| 2.4. Terminating impedance ( input and output ): | 1000 $\Omega$ // 25 pF |
|--------------------------------------------------|------------------------|

- |             |                                                                          |
|-------------|--------------------------------------------------------------------------|
| 3. Marking: | manufacturer, date code<br>MQF 10.0-0300/04<br>or OEM marking on request |
|-------------|--------------------------------------------------------------------------|

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