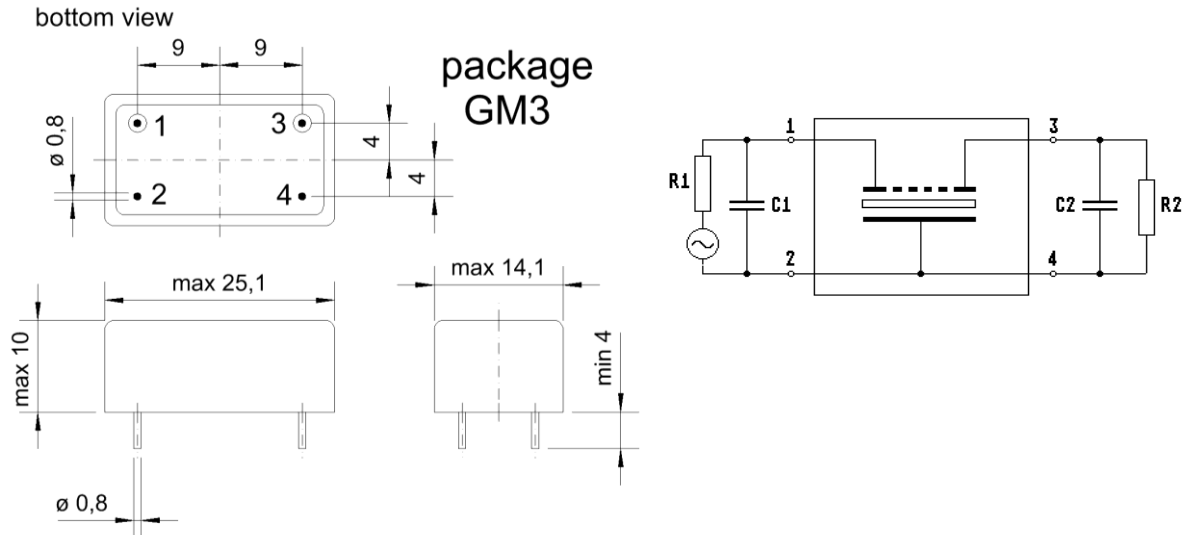


## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 70.0-2500/11 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -45°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 3 dB - frequencies:      | $> f_0 \pm 12.5$ kHz                        |
| 2.2.2. Ripple:                                    | $< 1.0$ dB at $f_0 \pm 8$ kHz               |
| 2.2.3. Group delay distortion:                    | $< 20$ $\mu$ s at $f_0 \pm 10$ kHz          |
| 2.2.4. Group delay distortion:                    | $< 50$ $\mu$ s at $f_0 \pm 12.5$ kHz        |
| 2.2.5. Insertion loss:                            | $< 6.0$ dB                                  |
| ( measured on smallest attenuation in pass band ) |   |
| <b>2.3. Stop band</b>                             |   |
| 2.3.1. $f_0 \pm 30$ kHz                           | $> 40$ dB                                   |
| 2.3.2. $f_0 \pm 50$ kHz                           | $> 50$ dB                                   |
| 2.3.3. Alternate attenuation                      | $> 80$ dB ( except spurious )               |
| 2.4. Terminating impedance ( input and output ):  | $50 \Omega // 0$ pF                         |
| 3. Marking:                                       | manufacturer, date code<br>MQF 70.0-2500/11 |
| 4. Environment conditions:                        | Corresponding to Vectron standard CF001     |