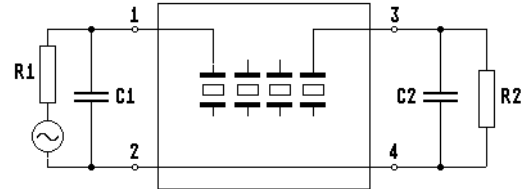
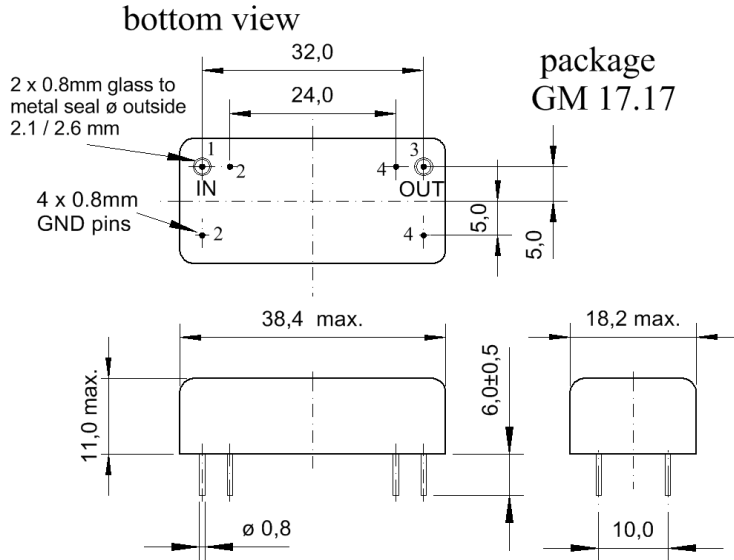


**1. General**

1.1. Package:



- |  |                     |
|--|---------------------|
| 1.2. Type name:                                  | QF 109.5315-0300/04 |
| 1.3. Number of poles:                            | 4                   |
| 1.4. Operating temperature range:                | -40°C to +71°C      |
| 1.5. Storage temperature range:                  | -55°C to +85°C      |
| 1.6. Measuring temperature ( oven temperature ): | +55°C               |

**Please note: All measurements in this specification have to be carried out at oven temperature !**

**2. Electric values**

- |   |  |
|---|--|
| 2.1. Nominal centre frequency fo:   | 109.5315 MHz                                   |
| <b>2.2. Pass band</b>   |  |
| 2.2.1. Bandwidth between 0.8 dB - frequencies:                              | > fo ± 1.5 kHz                                 |
| 2.2.2. Ripple in pass band ( peak to peak ):                                | < 0.8 dB                                       |
| 2.2.3. Insertion loss<br>( measured on smallest attenuation in pass band ): | < 9 dB   |
| <b>2.3. Stop band</b>   |  |
| 2.3.1. fo ± 4.5 kHz   | > 18 dB  |
| 2.3.2. Guaranteed attenuation ( fo ± 910 kHz ):                             | > 50 dB ( except spurious )                    |
| 2.3.3. Spurious responses within ( fo +50 kHz.....fo +1.0 MHz ):            | > 20 dB  |
| 2.4. Terminating impedance ( input and output ):                            | 50 Ω // 0 pF                                   |
| 2.5. Maximum input power level ( working / non-damaged ):                   | 0 dBm / +20 dBm                                |
| 3. Marking:   | manufacturer, date code<br>QF 109.5315-0300/04 |
| 4. Environment conditions:  | Corresponding to Vectron MIL standard          |