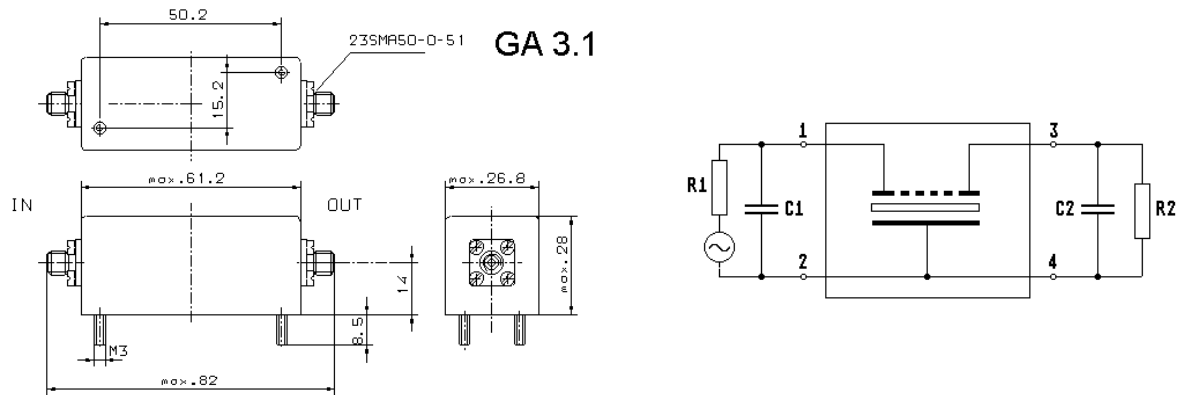


**1. General**

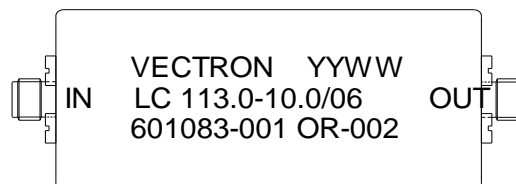
1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | LC 113.0-10.0/06 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°C to +125°C  |

**2. Electric values**

- |                                                                             |                                           |
|-----------------------------------------------------------------------------|-------------------------------------------|
| 2.1. Nominal centre frequency fo:                                           | 113.0 MHz                                 |
| 2.2. <b>Pass band</b>                                                       |                                           |
| 2.2.1. Centre frequency fc at +25°C:                                        | 113.0 MHz ± 500 kHz                       |
| 2.2.2. Bandwidth between 3 dB - frequencies:                                | > fc ± 5.0 MHz                            |
| 2.2.3. Ripple in pass band ( peak to peak ):                                | < 1.0 dB                                  |
| 2.2.4. Insertion loss:<br>( measured on smallest attenuation in pass band ) | ≤ 5.0 dB                                  |
| 2.3. <b>Stop band</b>                                                       |                                           |
| 2.3.1. fc ± 7.0 MHz                                                         | ≥ 10 dB                                   |
| 2.3.2. fc ± 8.0 MHz                                                         | ≥ 20 dB                                   |
| 2.3.3. fc ± 9.5 MHz                                                         | ≥ 30 dB                                   |
| 2.3.4. fc ± 11.0 MHz                                                        | ≥ 40 dB                                   |
| 2.3.5. Alternate attenuation                                                | ≥ 80 dB                                   |
| 2.4. Terminating impedance ( input and output ):                            | 50 Ω // 0 pF                              |
| 2.5. 3-rd order intermodulation products measured at 108.1 MHz:             |                                           |
| test tones 107.7 MHz / 107.3 MHz, power level -24 dBm:                      | -110 dBm ( 86 dB down from test tones )   |
| test tones 97.9 MHz / 103.0 MHz, power level -1.9 dBm:                      | -110 dBm ( 86 dB down from test tones )   |
| test tones 98.0 MHz / 87.9 MHz, power level +4.1 dBm:                       | -110 dBm ( 86 dB down from test tones )   |
| 2.6. Maximum input power level:                                             | +25dBm / +30dBm ( working / non-damaged ) |
| 3. Marking:                                                                 |                                           |



- |                            |                                           |
|----------------------------|-------------------------------------------|
| 4. Environment conditions: | Corresponding to Vectron MIL Standard 202 |
|----------------------------|-------------------------------------------|