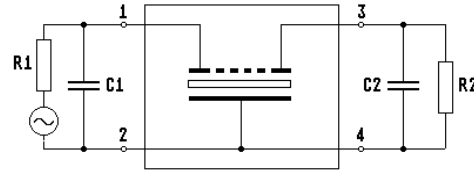
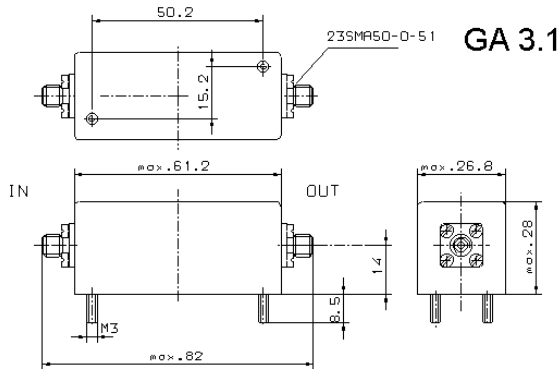


Specification for LC band pass filter:

LC 113.0-10.0/06

1. General

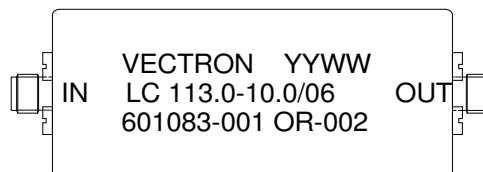
1.1. Package:



- | | |
|-----------------------------------|------------------|
| 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. Pass band | |
| 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: | ≤ 5.0 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 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 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____