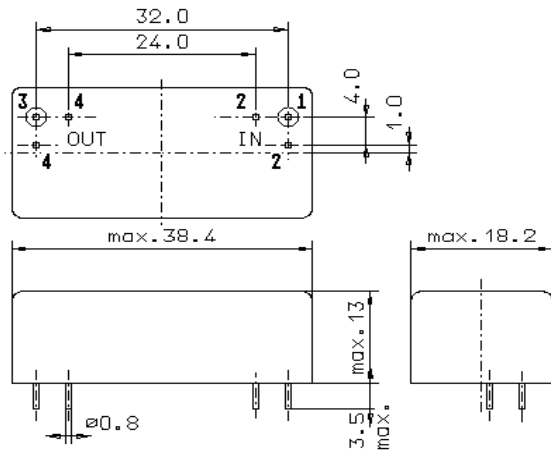


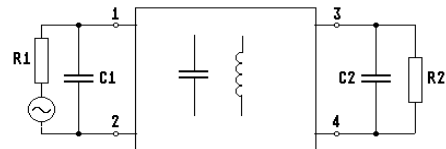
Specification for LC band pass filter: **LC 21.4-2.0/04V1**

1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | LC 21.4-2.0/04V1 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +70°C |

2. Electric values

- | | |
|--|---|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 1.0$ MHz |
| 2.2.2. Ripple: | ≤ 1.5 dB at $f_0 \pm 500$ kHz |
| 2.2.3. Group delay distortion: | ≤ 0.25 μ s at $f_0 \pm 1.0$ MHz |
| 2.2.4. Insertion loss: | ≤ 4.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 + 4.2$ MHz | ≥ 45 dB |
| 2.3.2. $f_0 + 6.5$ MHz | ≥ 60 dB |
| 2.3.3. $f_0 - 5.0$ MHz | ≥ 45 dB |
| 2.3.4. $f_0 - 8.5$ MHz | ≥ 60 dB |
| 2.3.5. Alternate attenuation: | ≥ 60 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Intermodulation | |
| test frequencies: | $f_0 \pm 200$ kHz |
| input power level : | 0 dBm |
| IM: | ≥ 70 dB |
| 3. Marking: | manufacturer, date code
LC 21.4-2.0/04V1 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____