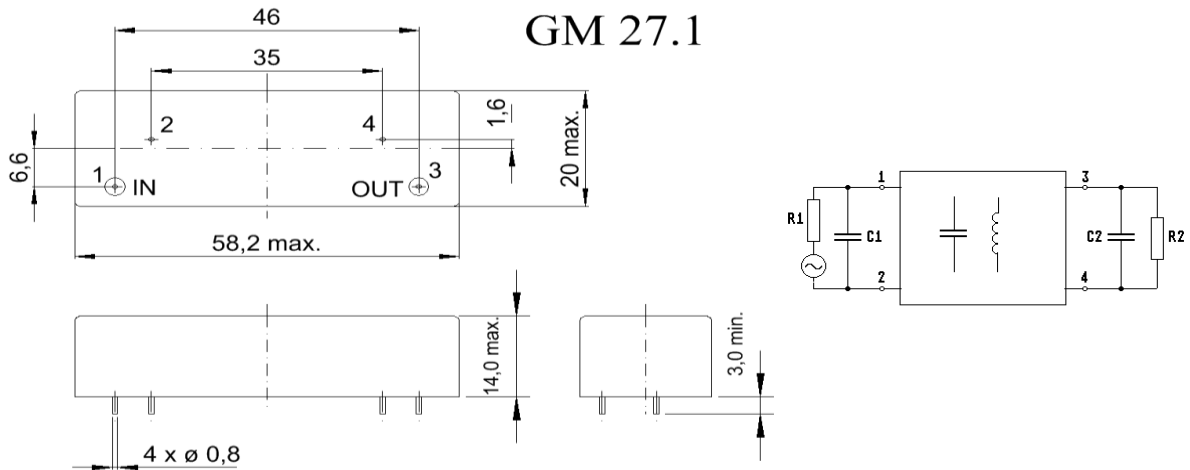


Specification for LC band pass filter: **LC 21.4-2.0/07V2**

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | LC 21.4-2.0/07V2 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -10°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +75°C |

2. Electric values

- | | |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency f_0 : | 21.4 MHz |
|---------------------------------------|----------|

2.2. Pass band

- | | |
|--|------------------------------------|
| 2.2.1. Centre frequency f_c : | 21.4 MHz \pm 60 kHz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 1.0$ MHz |
| 2.2.3. Ripple: | ≤ 1.5 dB at $f_0 \pm 800$ kHz |
| 2.2.4. Return loss: | > 10 dB at $f_0 \pm 800$ kHz |
| 2.2.5. Insertion loss: | ≤ 4.0 dB |

2.3. Stop band

- | | |
|--|-----------------------------------|
| 2.3.1. $f_0 \pm 4.0$ MHz | > 60 dB |
| 2.3.2. Alternate Attenuation | > 90 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Out band Intermodulation (IP3 > 30 dBm)
frequencies: | $f_0 \pm 2$ MHz / $f_0 \pm 4$ MHz |
| input power level at pin 1: | 0 dBm |
| relative attenuation at f_0 relating to level at pin 1: | > 60 dB |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
LC 21.4-2.0/07V2 |
|-------------|---|

- | | |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____