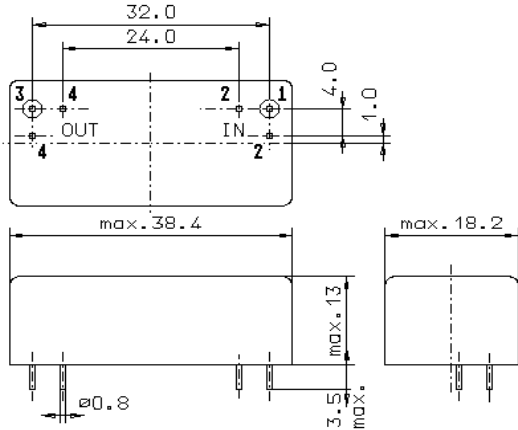


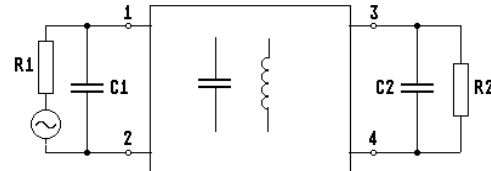
Specification for LC band pass filter: **LC 21.4-5.0/04V1**

**1. General**

1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | LC 21.4-5.0/04V1 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -40°C to +85°C   |

**2. Electric values**

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

**2.2. Pass band**

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|--|--|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 2.5$ MHz                   |
| 2.2.2. Ripple:                               | $\leq 1.5$ dB at $f_0 \pm 1.5$ MHz       |
| 2.2.3. Group delay distortion:               | $\leq 0.15$ $\mu$ s at $f_0 \pm 2.5$ MHz |
| 2.2.4. Insertion loss:                       | $\leq 3.0$ dB                            |

**2.3. Stop band**

- |                               |              |
|-------------------------------|--------------|
| 2.3.1. $f_0 \pm 10.0$ MHz     | $\geq 45$ dB |
| 2.3.2. $f_0 \pm 15.0$ MHz     | $\geq 60$ dB |
| 2.3.3. Alternate attenuation: | $\geq 60$ dB |

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|--|---------------------|
| 2.4. Terminating impedance ( input and output ): | 50 $\Omega$ // 0 pF |
|--|---------------------|

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|--|--|
| 2.5. Intermodulation<br>frequency 1 / 2:<br>input power level :<br>IM: | $f_0 + 200$ kHz / $f_0 - 200$ kHz<br>0 dBm<br>$\geq 70$ dB |
|--|--|

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|-------------|---|
| 3. Marking: | manufacturer, date code<br>LC 21.4-5.0/04V1 |
|-------------|---|

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

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_