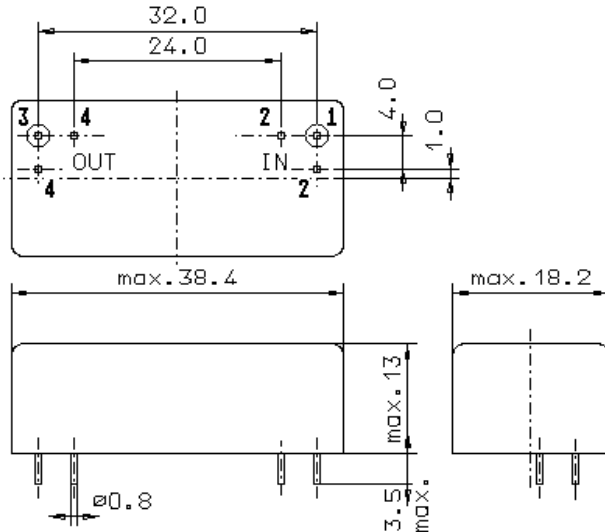


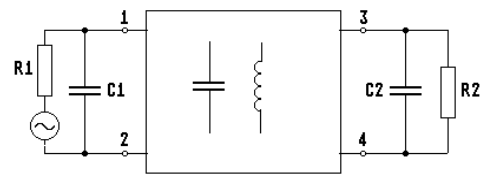
Specification for LC band pass filter: **LC 10.7-7 0000/07**

## 1. General

### 1.1. Package:



GM17



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | LC 10.7-70000/07 |
| 1.3. Number of poles:             | 4                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°C to +85°C   |

## 2. Electric values

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 10.7 MHz |
|---------------------------------------|----------|

### 2.2. Pass band

- |  |                                    |
|--|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 350$ kHz             |
| 2.2.2. Ripple:                               | $\leq 1.0$ dB at $f_0 \pm 220$ kHz |
| 2.2.3. Insertion loss:                       | $\leq 8.0$ dB                      |

### 2.3. Stop band

- |                               |              |
|-------------------------------|--------------|
| 2.3.1. $f_0 \pm 1.8$ MHz      | $\geq 40$ dB |
| 2.3.2. $f_0 \pm 3.1$ MHz      | $\geq 60$ dB |
| 2.3.3. Alternate attenuation: | $\geq 70$ dB |

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

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>LC 10.7-70000/07 |
|-------------|---|

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

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