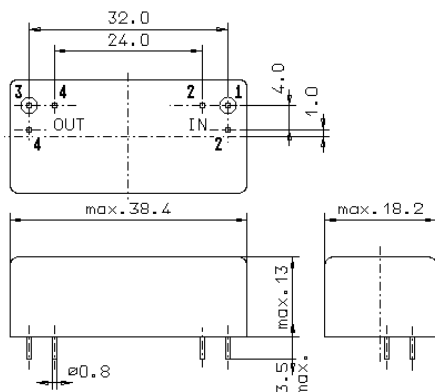


Specification for LC bandpass filter:

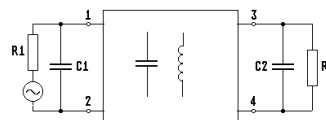
**LC 21.4-8 0000/04V1**

## 1. General

### 1.1. Case:



GM17



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | LC 21.4-80000/04V1 |
| 1.3. Number of poles:             | 4                  |
| 1.4. Operating temperature range: | -20°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: | $\geq f_0 \pm 400$ kHz             |
| 2.2.2. Ripple:                               | $\leq 1.5$ dB at $f_0 \pm 200$ kHz |
| 2.2.3. Insertion loss:                       | $\leq 8.0$ dB                      |

### 2.3. Stop band

- |                               |              |
|-------------------------------|--------------|
| 2.3.1. $f_0 + 2.0$ MHz        | $\geq 45$ dB |
| 2.3.2. $f_0 - 2.4$ MHz        | $\geq 45$ dB |
| 2.3.3. $f_0 + 3.0$ MHz        | $\geq 60$ dB |
| 2.3.4. $f_0 - 3.8$ MHz        | $\geq 60$ dB |
| 2.3.5. Alternate attenuation: | $\geq 60$ dB |

- |                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| 2.4. Terminating impedance ( input and output ): | 50 $\Omega$ // 0 pF                         |
| 2.5. Intermodulation                             |                                             |
| frequency 1:                                     | $f_0 + 200$ kHz                             |
| frequency 2:                                     | $f_0 - 200$ kHz                             |
| input power level :                              | 0 dBm                                       |
| IM:                                              | $\geq 67$ dB                                |
| 3. Marking on the case:                          | TELEFILTER, year week<br>LC 21.4-80000/04V1 |

- |                            |                                   |
|----------------------------|-----------------------------------|
| 4. Environment conditions: | Corresponding to Telefilter CF001 |
|----------------------------|-----------------------------------|

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