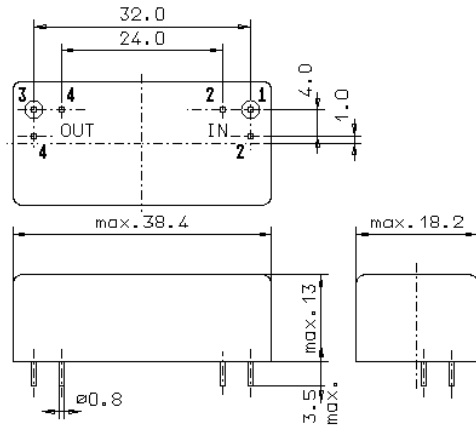


Specification for LC band pass filter:

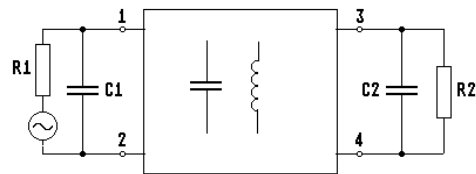
LC 21.4-8 0000/04V1

1. General

1.1. Package:



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: | ≤ 1.5 dB at $f_0 \pm 200$ kHz |
| 2.2.3. Insertion loss: | ≤ 8.0 dB |

2.3. Stop band

- | | |
|-------------------------------|--------------|
| 2.3.1. $f_0 + 2.0$ MHz | ≥ 45 dB |
| 2.3.2. $f_0 - 2.4$ MHz | ≥ 45 dB |
| 2.3.3. $f_0 + 3.0$ MHz | ≥ 60 dB |
| 2.3.4. $f_0 - 3.8$ MHz | ≥ 60 dB |
| 2.3.5. Alternate attenuation: | ≥ 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: | ≥ 67 dB |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
LC 21.4-80000/04V1 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____