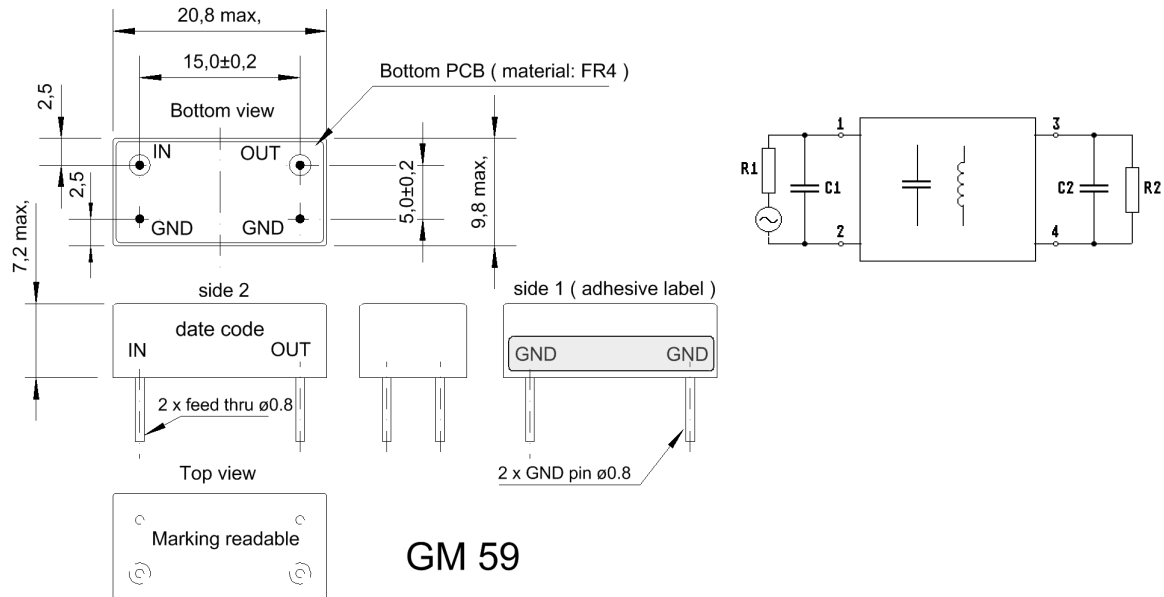


Specification for LC band pass filter: **LC 120.0 - 2.0 / 03**

1. General

1.1. Package:



- | | |
|---|-----------------|
| 1.2. Type name: | LC 120.0-2.0/03 |
| 1.3. Number of poles: | 3 |
| 1.4. Operating temperature range (OTR): | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|--|--|
| 2.1. Nominal centre frequency fo: | 120.0 MHz |
| 2.1.1. Center frequency shift in OTR : | 13 kHz /°C typical |
| 2.2. Pass band | |
| 2.2.1. Centre frequency fc at +25°C: | 120.0 MHz ± 300 kHz |
| 2.2.2. Bandwidth at 3 dB: | < 3.5 MHz and > 2.0 MHz |
| 2.2.3. Ripple in pass band: | Gaussian (no ripple peak to peak) |
| 2.2.4. Insertion loss: | < 10.0 dB (in OTR) |
| typical at -20°C / +25°C / +70 °C: | 7.0dB / 8.0dB / 9.0dB |
| 2.2.5. Return loss at fo: | > 12 dB |
| 2.3. Stop band | |
| 2.3.1. Bandwidth at 10 dB: | < 6.0 MHz and > 4.0 MHz |
| 2.3.2. Bandwidth at 60 dB: | < 45 MHz |
| 2.3.3. Bandwidth at 80 dB: | < 96 MHz |
| 2.3.4. Alternate attenuation: | > 60 dB in the range 142.5...800 MHz |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | +20 dBm |
| 3. Marking: | OEM marking on demand
see marking instruction |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |

Edited by: _____ date: _____ name: _____