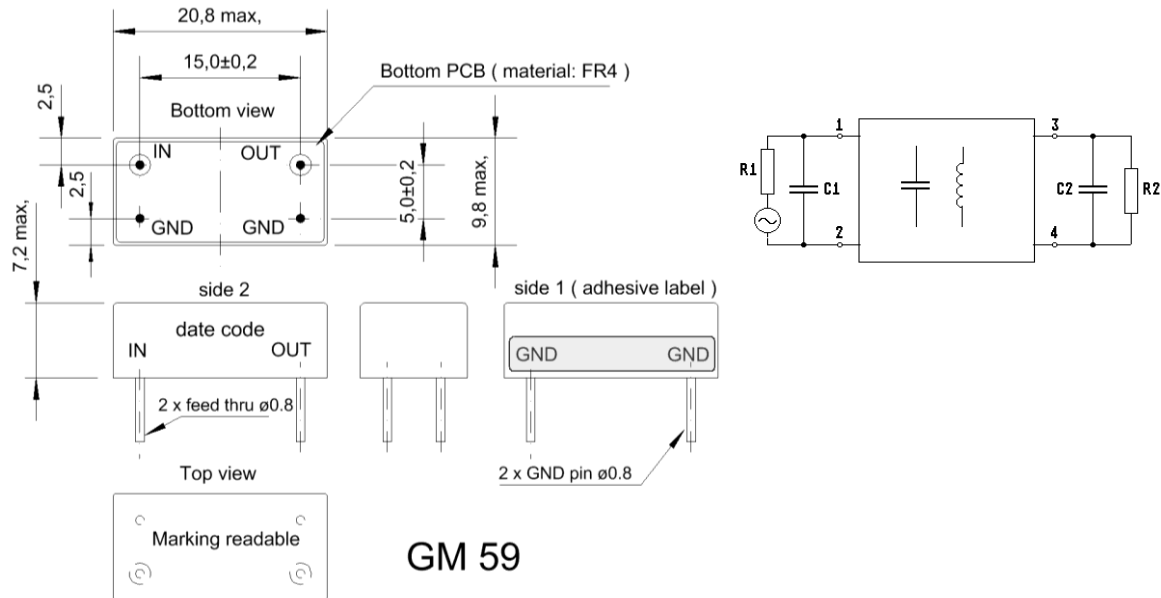


Specification for LC band pass filter: **LC 120.0 - 2.0 / 03**

## 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                               |
| <b>2.2. Pass band</b>                            |  |
| 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  |
| <b>2.3. Stop band</b>                            |  |
| 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<br>see marking instruction |
| 4. Environment conditions:                       | Corresponding to Vectron standard CF001          |

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