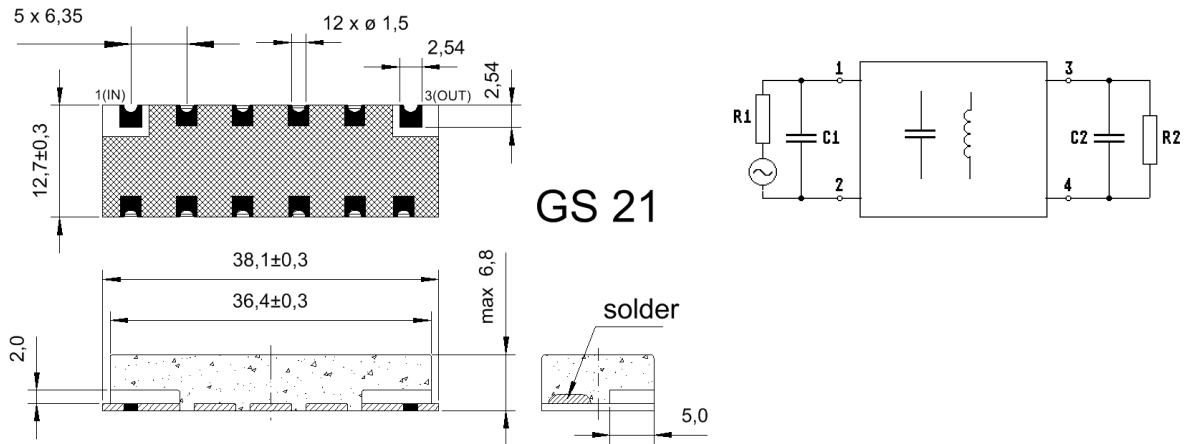


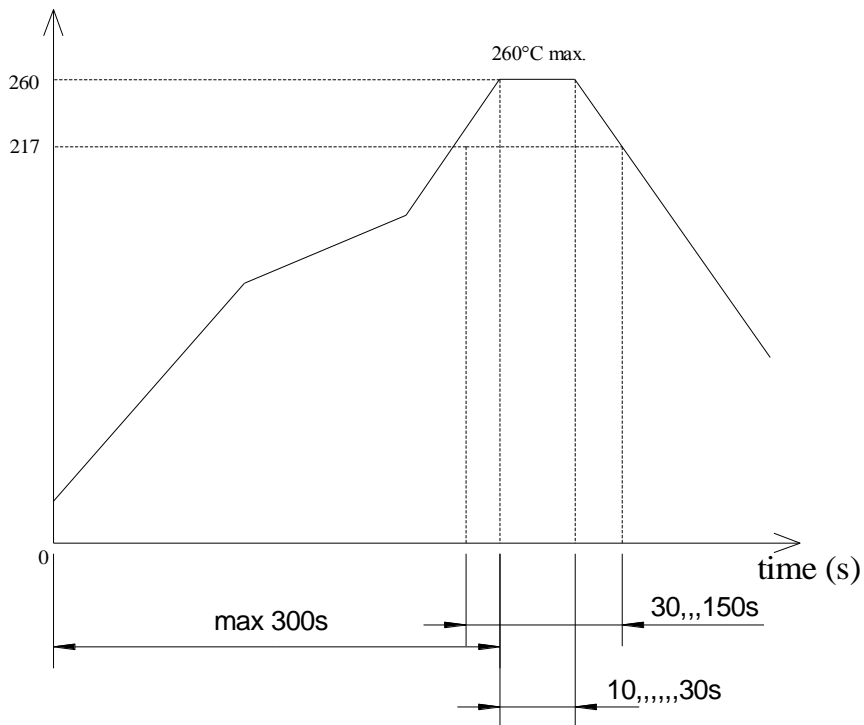
Specification for LC band pass filter: **LC 160.0-50.0/06**

**1. General**

**1.1. Package:**



temperature (°C)



Reflow soldering: three times max.

- |   |                  |
|---|------------------|
| 1.2. Type name:                           | LC 160.0-50.0/06 |
| 1.3. Number of poles:                     | 10               |
| 1.4. Operating temperature range ( OTR ): | -20°C to +70°C   |
| 1.5. Storage temperature range:           | -30°C to +80°C   |

**2. Electric values**

2.1. Nominal centre frequency fo: 160.0 MHz

**2.2. Pass band**

2.2.1. Bandwidth at 3 dB:  $> f_o \pm 25.0$  MHz

2.2.2. Ripple in pass band:  $< 2.0$  dB ( peak to peak )

2.2.3. Insertion loss:  $< 4.0$  dB

2.2.4. Return loss ( Input / Output )  $> 10$  dB within 3-dB bandwidth

**2.3. Stop band**

2.3.1.  $f_o \pm 42.5$  MHz:  $> 40$  dB

2.3.2.  $f_o \pm 48.5$  MHz:  $> 55$  dB

2.3.3. Alternate attenuation:

at DC.....97 MHz  $> 80$  dB

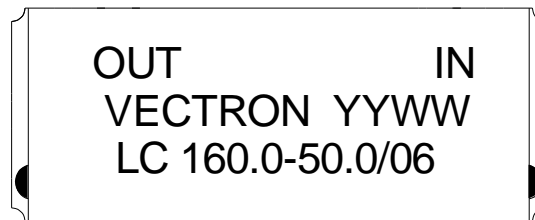
at 220 MHz....1.0 GHz  $> 80$  dB

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

2.5. Maximum power level ( working non-damaged ): +10 dBm / +20 dBm

3. Marking:

top view



4. Environment conditions: Vectron MIL - standard

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5. Packing: tape & reel, maximum 500 pcs. / reel

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