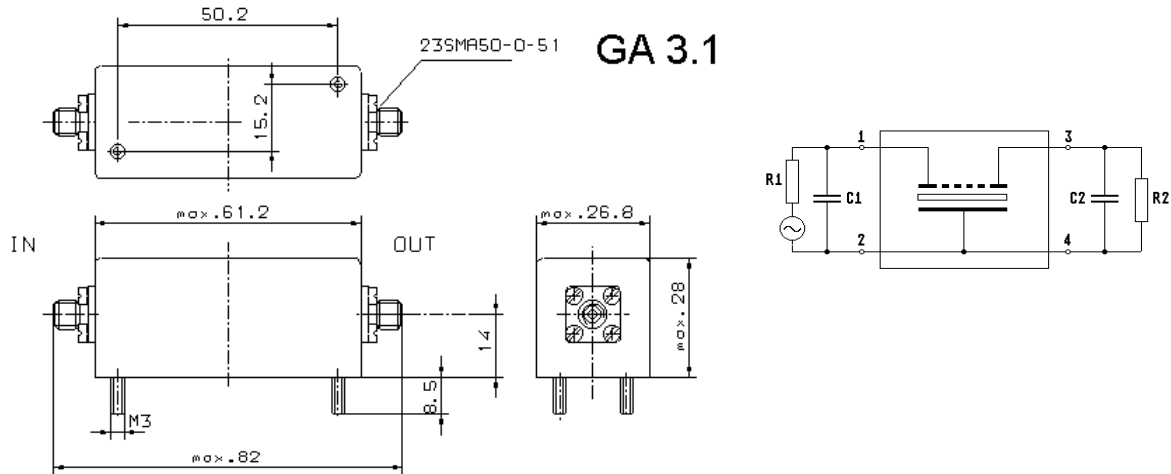


Specification for monolithic crystal filter:

**MQF 10.7-0850/12**

**1. General**

1.1. Package:



- 1.2. Type name: MQF 10.7-0850/12
- 1.3. Number of poles: 10
- 1.4. Operating temperature range: -20°C to +70°C
- 1.5. Storage temperature range: -45°C to +85°C

**2. Electric values**

- 2.1. Nominal centre frequency  $f_0$ : 10.7 MHz

**2.2. Pass band**

- 2.2.1. Pass band at 6 dB-frequencies (at +25°C ):
  - $f_0 - 4.25 \text{ kHz} \pm 100 \text{ Hz}$
  - $f_0 + 4.25 \text{ kHz} \pm 2.0 \text{ kHz}$
- 2.2.2. Ripple:  $\leq 2.0 \text{ dB}$  at  $f_0 - 3.0 \text{ kHz} \dots f_0 + 1.0 \text{ kHz}$
- 2.2.3. Insertion loss:  $\leq 3.5 \text{ dB}$   
( measured on smallest attenuation in pass band )

**2.3. Stop band**

- 2.3.1.  $f_0 - 5.5 \text{ kHz} / f_0 + 7.5 \text{ kHz}$   $\geq 26 \text{ dB}$
- 2.3.2.  $f_0 - 9.5 \text{ kHz} / f_0 + 11.5 \text{ kHz}$   $\geq 90 \text{ dB}$
- 2.3.3. Alternate attenuation:  $\geq 90 \text{ dB}$

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

- 2.5. Typical input power level: +10 dBm

- 3. Marking: manufacturer, date code  
MQF 10.7-0850/12

- 4. Environment conditions: Corresponding to Vectron standard CF001