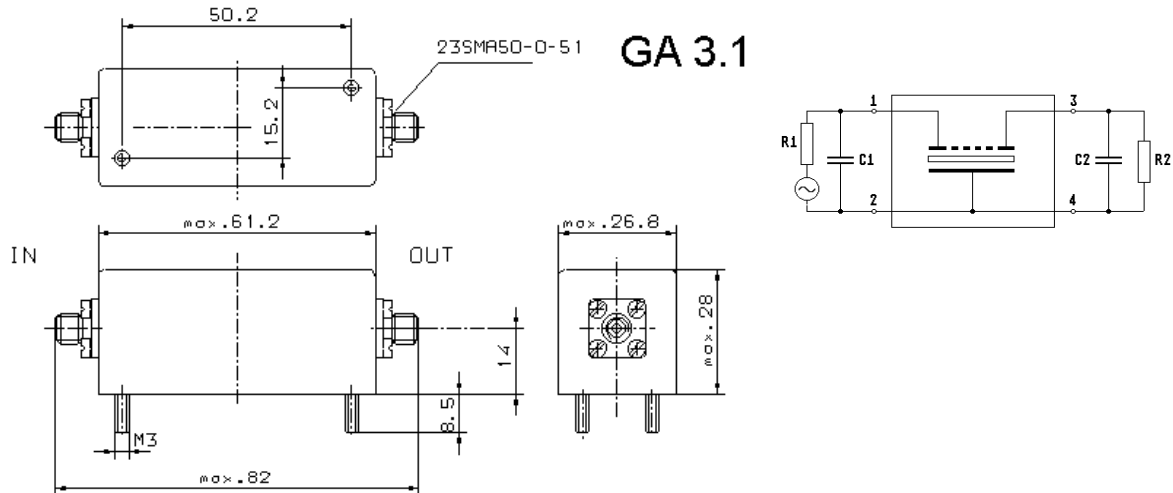


Specification for monolithic crystal filter:

MQF 10.7-1600/13

1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 10.7-1600/13 |
| 1.3. Number of poles: | 12 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values (corresponding to ETSI EN 300 086-1 V1.3.1 (2008-09))

- | | |
|---|--|
| 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): | $f_0 - 8.0 \text{ kHz} \pm 100 \text{ Hz}$
$f_0 + 8.0 \text{ kHz} \pm 3.5 \text{ kHz}$ |
| 2.2.2. Pass band at 2 dB-frequencies : | $f_0 - 5.0 \text{ kHz} \pm 3.1 \text{ kHz}$
$f_0 + 5.0 \text{ kHz} \pm 3.5 \text{ kHz}$ |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 3.5 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 - 9.25 \text{ kHz} / f_0 + 12.75 \text{ kHz}$ | > 26 dB |
| 2.3.2. $f_0 - 13.25 \text{ kHz} / f_0 + 16.75 \text{ kHz}$ | ≥ 90 dB |
| 2.3.3. Alternate attenuation: | ≥ 90 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Typical input power level: | +10 dBm |
| 3. Marking: | manufacturer, date code
MQF 10.7-1600/13 |
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |