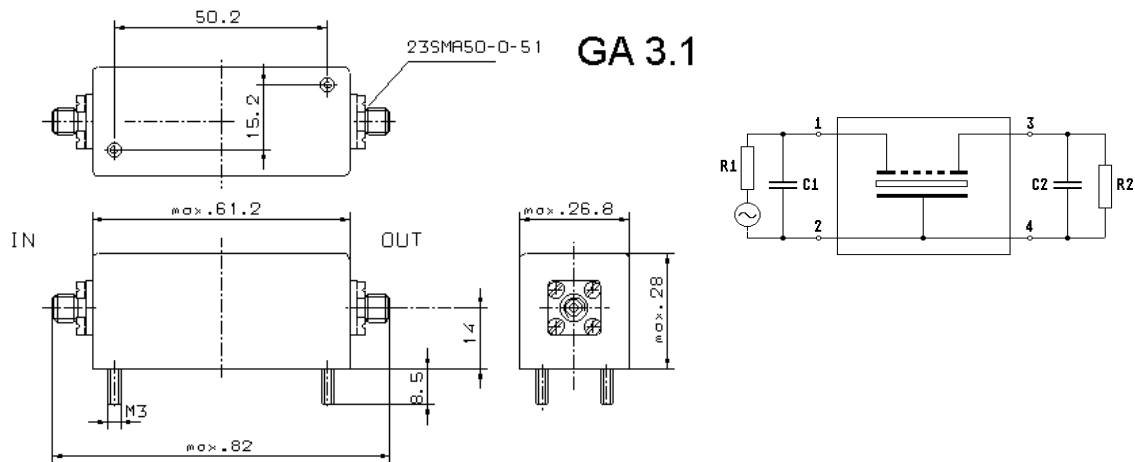


Specification for monolithic crystal filter:

**MQF 10.7-1400/12**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 10.7-1400/12 |
| 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

- |                                       |          |
|---------------------------------------|----------|
| 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):                            | $f_0 - 7.0 \text{ kHz} \pm 100 \text{ Hz}$<br>$f_0 + 7.0 \text{ kHz} \pm 3.0 \text{ kHz}$ |
| 2.2.2. Ripple:  | < 2.0 dB at $f_0 - 4.0 \text{ kHz} \dots f_0 + 1.0 \text{ kHz}$                           |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | < 3.5 dB  |

### 2.3. Stop band

- |  |                             |
|--|-----------------------------|
| 2.3.1. $f_0 - 8.25 \text{ kHz} / f_0 + 11.25 \text{ kHz}$  | $\geq 26 \text{ dB}$        |
| 2.3.2. $f_0 - 12.25 \text{ kHz} / f_0 + 15.25 \text{ kHz}$ | $\geq 90 \text{ dB}$        |
| 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: | 0 dBm   |
| 2.6. Maximum input power level: | +15 dBm |

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 10.7-1400/12 |
|-------------|---|

- |                            |                                |
|----------------------------|--------------------------------|
| 4. Environment conditions: | Corresponding to Vectron CF001 |
|----------------------------|--------------------------------|

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