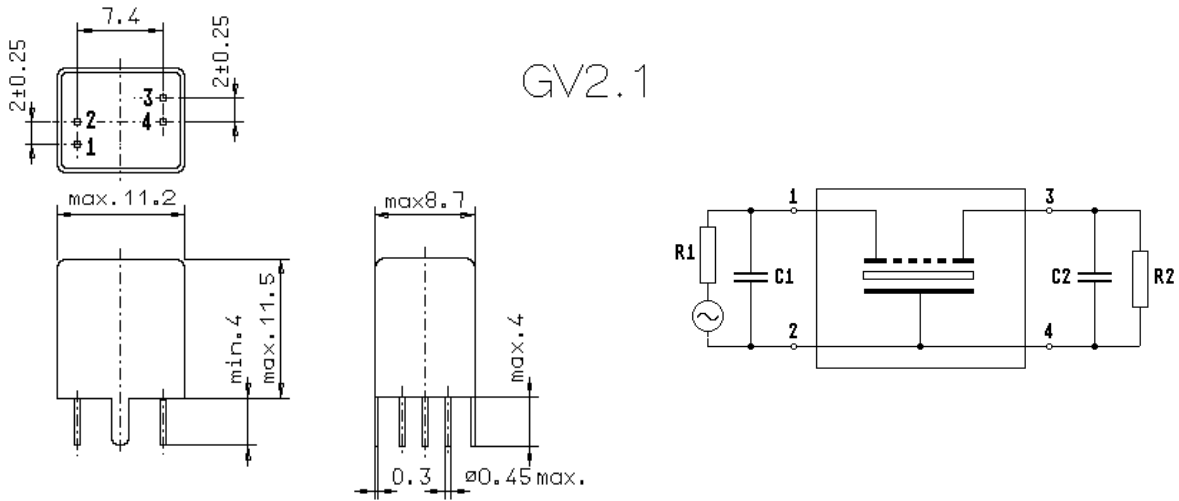


Specification for monolithic crystal filter:

**MQF 21.4-3000/03**

## 1. General

### 1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 21.4-3000/03 |
| 1.3. Number of poles:             | 6                |
| 1.4. Operating temperature range: | -40°C to +85°C   |
| 1.5. Storage temperature range:   | -55°C to +85°C   |

## 2. Electric values

- |   |  |
|---|--|
| 2.1. Nominal centre frequency $f_0$ :                                       | 21.4 MHz   |
| 2.2. <b>Pass band</b>   |  |
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 15$ kHz  |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 10.0$ kHz  |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 2.5$ dB  |
| 2.3. <b>Stop band</b>   |  |
| 2.3.1. $f_0 \pm 35$ kHz   | $\geq 45$ dB   |
| 2.3.2. $f_0 \pm 50$ kHz   | $\geq 65$ dB   |
| 2.3.3. $f_0 \pm 50$ kHz..... $\pm 300$ kHz                                  | $\geq 65$ dB   |
| 2.4. Terminating impedance R//C ( input and output ):                       | $2700 \Omega // 1.0$ pF  |
| 2.5. Maximum input power level:   |  |
| working:  | +10 dBm  |
| non-damaged:  | +25 dBm  |
| 3. Marking:   | manufacturer ( "VI" or "TFT" ), date code ( YYWW )<br>21.4-3000/03           |
| 4. Environment conditions:  | Corresponding to Vectron standard CF001                                      |
| 5. Packing:   | bulk ( maximum 225 pcs. / box )<br>card box dimension: ( 200 x 145 x 35 ) mm |

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