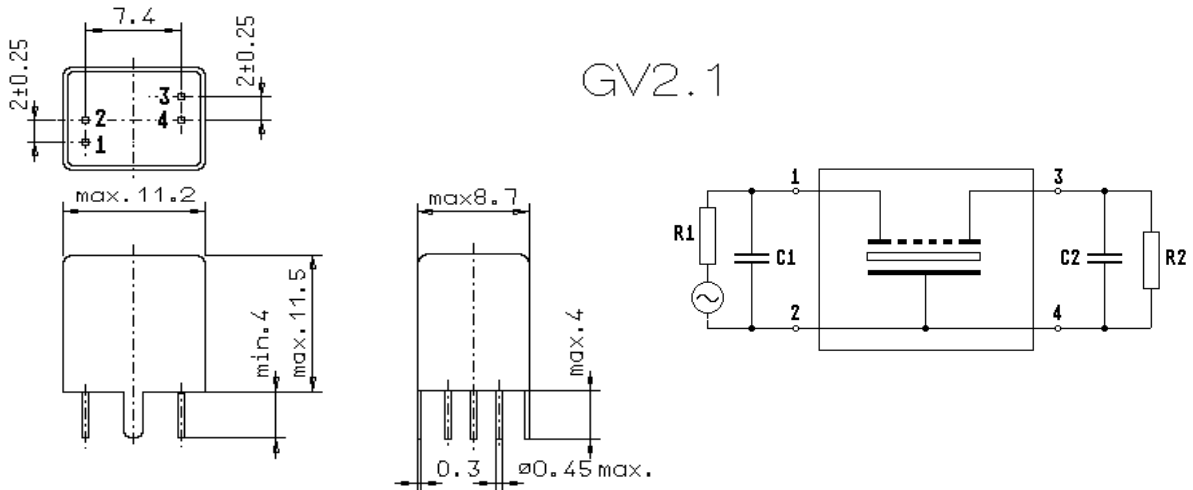


Specification for monolithic crystal filter:

**MQF 45.0-1500/12**

1. General

1.1. Package:



- |                                   |                  |
|-----------------------------------|------------------|
| 1.2. Type name:                   | MQF 45.0-1500/12 |
| 1.3. Number of poles:             | 8                |
| 1.4. Operating temperature range: | -20°C to +70°C   |
| 1.5. Storage temperature range:   | -35°C to +80°C   |

2. Electric values

- |                                       |          |
|---------------------------------------|----------|
| 2.1. Nominal centre frequency $f_0$ : | 45.0 MHz |
|---------------------------------------|----------|

2.2. Pass band

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_0 \pm 7.5$ kHz             |
| 2.2.2. Ripple:  | $\leq 2.0$ dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 6.0$ dB                      |

2.3. Stop band

- |                               |           |
|-------------------------------|-----------|
| 2.3.1. $f_0 \pm 25$ kHz       | $> 80$ dB |
| 2.3.2. Alternate attenuation: | $> 80$ dB |

- |  |                        |
|--|------------------------|
| 2.4. Terminating impedance ( input and output ): | $650 \Omega // 1.5$ pF |
|--|------------------------|

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>45.0-1500/12 |
|-------------|---|

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

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