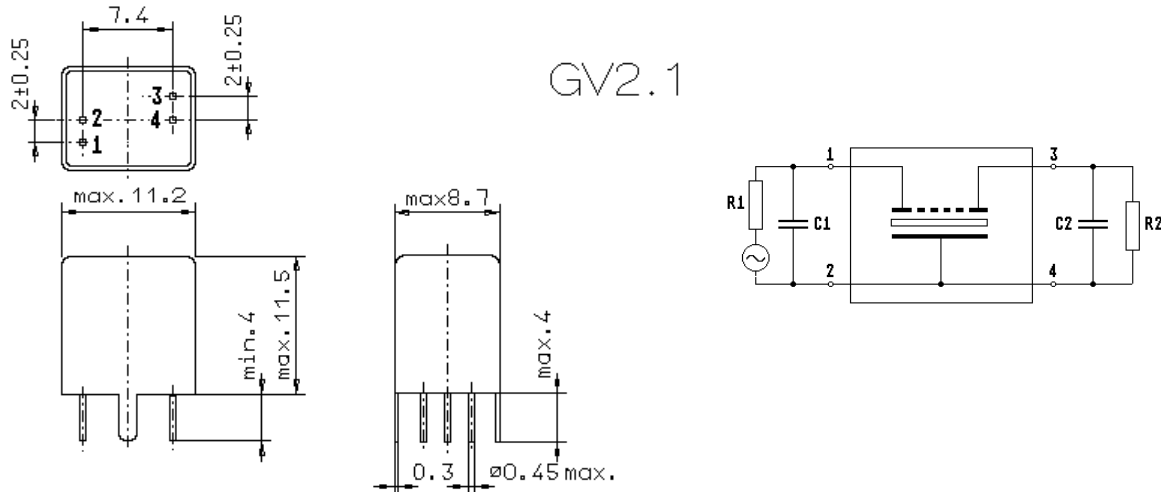


Specification for monolithic crystal filter:

MQF 44.814 - 3000/04

1. General

1.1. Package:



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 44.814-3000/04 |
| 1.3. Number of poles: | 8 |
| 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 : | 44.814 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $> f_0 \pm 15$ kHz |
| 2.2.2. Ripple: | < 2.0 dB at $f_0 \pm 10$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 4.0 dB |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 40$ kHz | > 60 dB |
| 2.3.2. $f_0 \pm 60$ kHz | > 80 dB |
| 2.3.3. Alternate attenuation: | > 80 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | $650 \Omega // 2.0$ pF |
| 2.5. Input power level: | +10 dBm / +20 dBm (working/non-damaged) |
| 3. Marking: | manufacturer, date code
44.814-
3000/04 |
| 4. Environment conditions: | Vectron MIL standard |

Edited by: _____ date: _____ name: _____