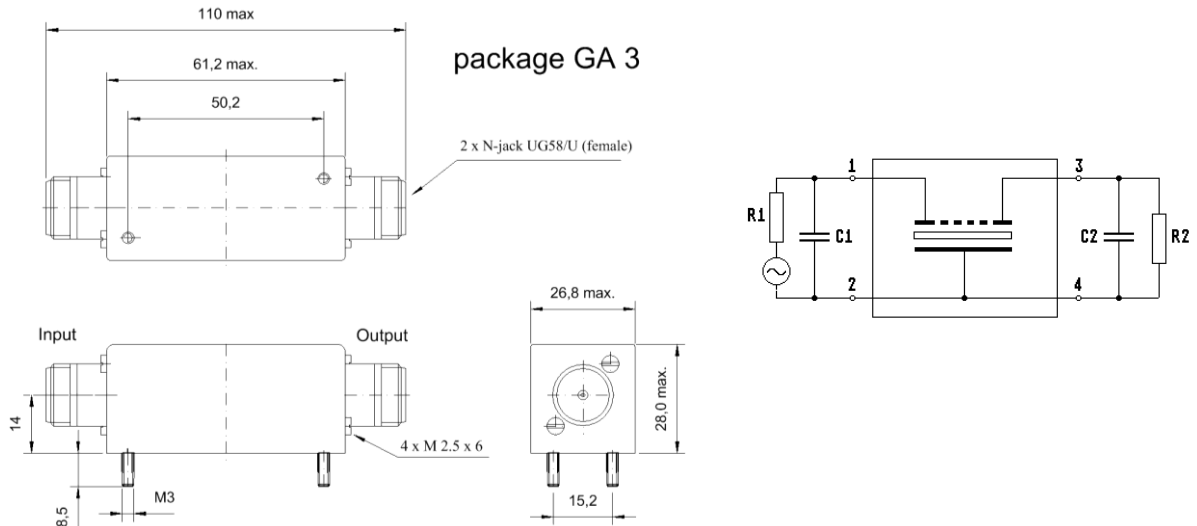


Specification for monolithic crystal filter series **MQF 118.....137-1500/GN**

1. General

1.1. Package:



- | | |
|-----------------------------------|---------------------|
| 1.2. Type name: | MQF 1xx.xxx-1500/GN |
| 1.3. Number of poles: | 6 |
| 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 center frequency f_0 : | 118.....137 MHz
T.B.D. by customer for each order |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 7.5$ kHz |
| 2.2.2. Ripple: | ≤ 1.0 dB at $f_0 \pm 5.0$ kHz |
| 2.2.3. Insertion loss: | ≤ 6.5 dB |
| (measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. $f_0 \pm 20$ kHz | ≥ 20 dB |
| 2.3.2. $f_0 \pm 30$ kHz | ≥ 50 dB |
| 2.3.3. Alternate attenuation | ≥ 60 dB except spurious |
| 2.3.4. Spurious responses for $f > f_0 + 30$ kHz: | ≥ 40 dB |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | -5 / +20 dBm (working / non-damaged) |
| 3. Marking: | manufacturer, date code
MQF 1xx.xxx-1500/GN |

e.g. for center frequency 119.325 MHz filter part description is MQF119.325-1500/GN

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

Edited by: _____ date: _____ name: _____