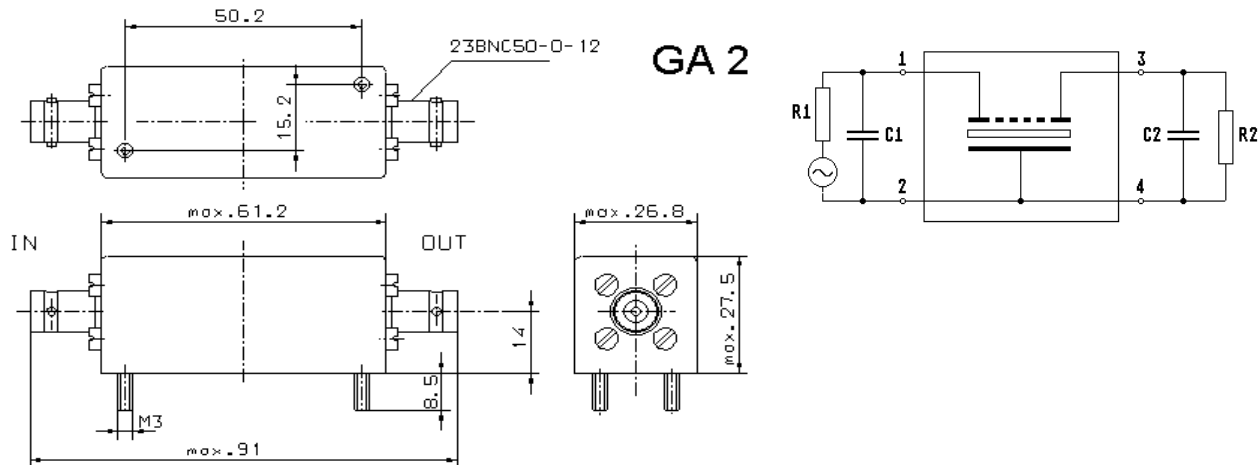


Specification for monolithic crystal filter series **MQF 130.....180-1500/B**

1. General

1.1. Package:



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 1xx.xxx-1500/B |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -30°C to +80°C |

2. Electric values

- | | |
|---------------------------------------|--|
| 2.1. Nominal center frequency f_0 : | 130.....180 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:
(measured on smallest attenuation in pass band) | ≤ 8.0 dB |

2.3. Stop band

- | | |
|------------------------------|--|
| 2.3.1. $f_0 \pm 25$ kHz | ≥ 20 dB |
| 2.3.2. $f_0 \pm 60$ kHz | ≥ 60 dB |
| 2.3.3. Alternate attenuation | ≥ 60 dB (except spurious) |
| 2.3.4. Spurious responses: | ≥ 40 dB at frequencies $> f_0 + 60$ kHz |

- | | |
|--|---------------------|
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
|--|---------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 1xx.xxx-1500/B
e. g. for center frequency 139.325 MHz filter part description is: MQF139.325-1500/B |
|-------------|---|

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

Edited by: _____ date: _____ name: _____