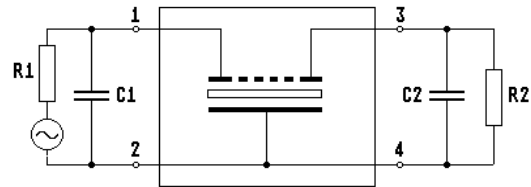
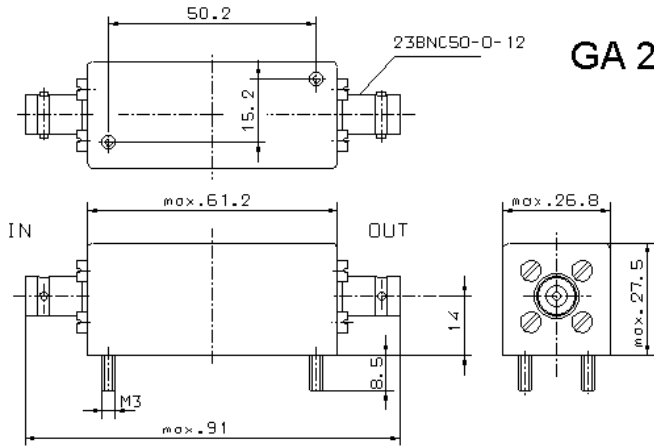


Specification for monolithic crystal filter series **MQF 135.....180.0-1400/T**

1. General

1.1. Package:



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 1xx.xxx-1400/T |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | 0°C to +60°C |
| 1.5. Operable temperature range: | -20°C to +70°C |
| 1.6. Storage temperature range: | -40°C to +85°C |

2. Electric values

- | | |
|-----------------------------------|------------------------------------------------------|
| 2.1. Nominal center frequency fo: | 135.....180 MHz
T.B.D. by customer for each order |
|-----------------------------------|------------------------------------------------------|

2.2. Pass band

- | | |
|-----------------------------------------------------------------------------|--------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | > fo ± 7.0 kHz |
| 2.2.2. Ripple: | < 1.0 dB at fo ± 4.0 kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 6.0 dB |

2.3. Stop band

- | | |
|------------------------------|-----------------------------|
| 2.3.1. fo ± 30 kHz | > 20 dB |
| 2.3.2. fo ± 60 kHz | > 45 dB (except spurious) |
| 2.3.3. Alternate attenuation | > 50 dB (except spurious) |
| 2.3.4. Spurious responses: | > 30 dB |

- | | |
|--------------------------------------------------|--------------------------------------------|
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | -10 dBm / +5 dBm (working / non-damaged) |

- | | |
|-------------|----------------------------------------------|
| 3. Marking: | manufacturer, date code
MQF 1xx.xx-1400/T |
|-------------|----------------------------------------------|

e.g. for center frequency 139.325 MHz filter part description is: MQF139.325-1400/T

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

Edited by: _____ date: _____ name: _____