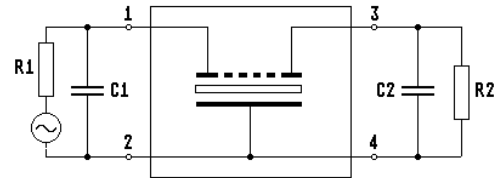
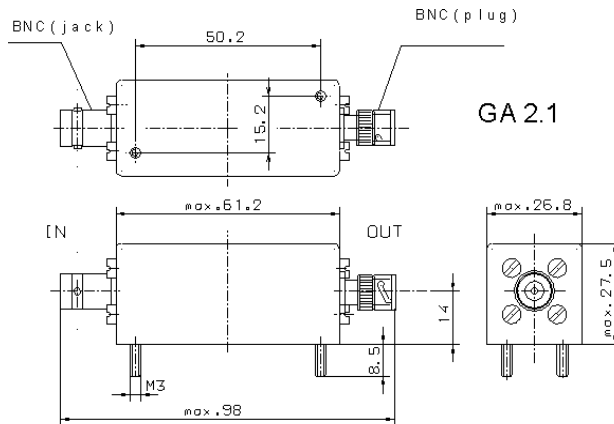


Specification for monolithic crystal filter series

**MQF 100.....134-1500/M**

**1. General**

1.1. Package:



- |                                   |                    |
|-----------------------------------|--------------------|
| 1.2. Type name:                   | MQF 1xx.xxx-1500/M |
| 1.3. Number of poles:             | 4                  |
| 1.4. Operating temperature range: | -20°C to +70°C     |
| 1.5. Storage temperature range:   | -35°C to +85°C     |

**2. Electric values**

- |                                       |  |
|---------------------------------------|--|
| 2.1. Nominal center frequency $f_0$ : | 100.....131 MHz<br>T.B.D. by customer for each order |
|---------------------------------------|--|

**2.2. Pass band**

- |   |                                 |
|---|---------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $> f_0 \pm 7.5$ kHz             |
| 2.2.2. Ripple:  | $< 1.0$ dB at $f_0 \pm 4.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $< 6.0$ dB                      |

**2.3. Stop band**

- |   |                               |
|---|-------------------------------|
| 2.3.1. $f_0 \pm 30$ kHz                           | $> 20$ dB                     |
| 2.3.2. $f_0 \pm 60$ kHz                           | $> 40$ dB                     |
| 2.3.3. Alternate attenuation                      | $> 50$ dB ( except spurious ) |
| 2.3.4. Spurious responses ( $f > f_0 + 60$ kHz ): | $< 10$ dB                     |

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

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 1xx.xxx-1500/M |
|-------------|---|

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

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

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