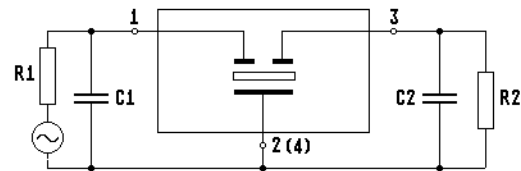
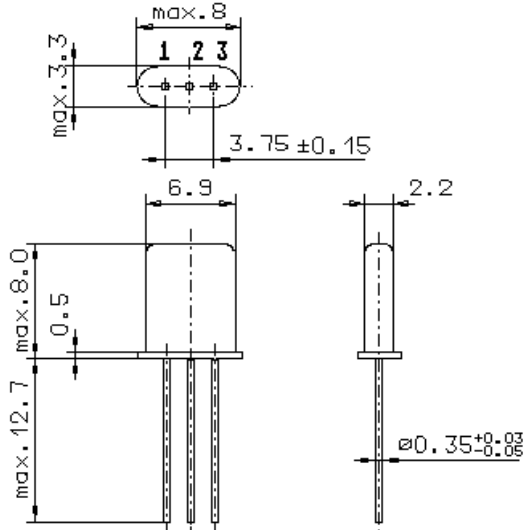


Specification for monolithic crystal filter:

MQF 100.0-0800/06

1. General

1.1. Package:



**Filters are Pb-free and 2002 / 95 / EC
RoHS compliant**

- | | |
|-----------------------------------|-------------------|
| 1.2. Type name: | MQF 100.0-0800/06 |
| 1.3. Number of poles: | 2 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -25°C to +85°C |

2. Electric values

- | | |
|---------------------------------------|-----------|
| 2.1. Nominal centre frequency f_0 : | 100.0 MHz |
|---------------------------------------|-----------|

2.2. Pass band

- | | |
|--|---------------------------------|
| 2.2.1. Centre frequency f_c : | 100.0 MHz \pm 1.1 kHz |
| 2.2.2. Bandwidth between 3 dB - frequencies: | $> f_c \pm 4.0$ kHz |
| 2.2.3. Ripple: | < 0.5 dB at $f_c \pm 2.0$ kHz |
| 2.2.4. Insertion loss: | < 3.0 dB |
- (measured on smallest attenuation in pass band)

2.3. Stop band

- | | |
|---|-----------|
| 2.3.1. $f_c \pm 10.0$ kHz | > 10 dB |
| 2.3.2. Alternate attenuation: $f_c \pm 910$ kHz | > 40 dB |
| 2.3.3. Spurious responses | > 8 dB |

- | | |
|--|------------------------|
| 2.4. Terminating impedance (input and output): | 350 Ω // 1.5 pF |
|--|------------------------|

- | | |
|--|----------|
| 2.5. Maximum input power level (operating): | + 0 dBm |
| 2.5.1 Maximum input power level (non-damaged): | + 15 dBm |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF100.0-0800/06 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____