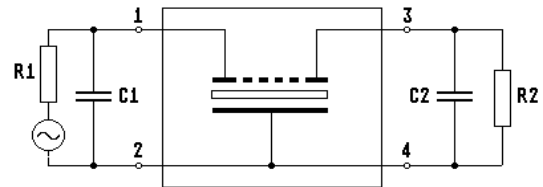
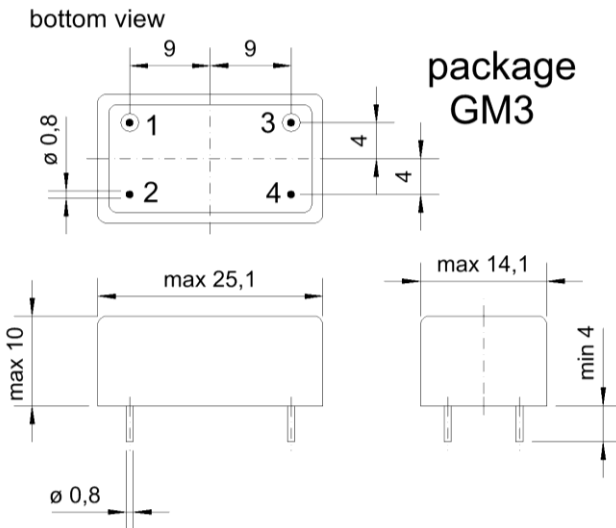


1. General

1.1. Package:



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 70.0-1500/19 |
| 1.3. Number of poles: | 4 |
| 1.4. Operating temperature range: | -5°C to +55°C |
| 1.5. Storage temperature range: | -20°C to +70°C |

2. Electric values

- | | |
|---|--|
| 2.1. Nominal centre frequency fo: | 70.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Centre frequency fc: | 70.0 MHz ± 1.5 kHz |
| 2.2.2. Bandwidth between 6 dB - frequencies: | > fo ± 7.5 kHz |
| 2.2.3. Ripple in pass band: | Gaussian |
| 2.2.4. Absolute group delay at fo: | < 60 µs |
| 2.2.5. Differential group delay (fo ± 7.5 kHz): | < 10 µs |
| 2.2.6. Phase linearity (fo ± 7.5 kHz): | < ± 1.5 deg. (typical at +25°C ± 0.7 deg.) |
| 2.2.7. Insertion loss: | < 6.0 dB |
| measured on smallest attenuation in pass band) | |
| 2.3. Stop band | |
| 2.3.1. fo ± 30 kHz | > 35 dB |
| 2.3.2. fo ± 100 kHz | > 70 dB |
| 2.3.3. Spurious responses : | > 30 dB (fo +30 kHz.....fo +2.0 MHz) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Maximum input power level: | 0 / +15 dBm (working / non-damaged) |
| 3. Marking: | manufacturer, date code
MQF 70.0-1500/19 |
| 4. Environment conditions: | according to Vectron standard CF001 |