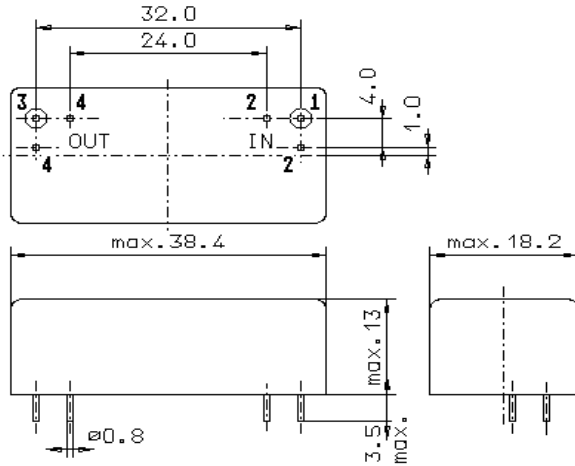
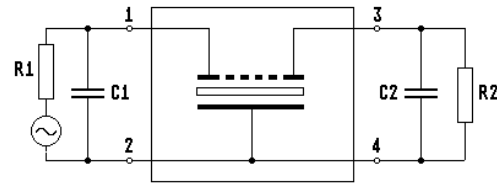


1. General

1.1. Package:



GM17



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-5000/18 |
| 1.3. Number of poles: | 10 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Storage temperature range: | -45°C to +85°C |

2. Electric values

- | | |
|---|---------------------------|
| 2.1. Nominal centre frequency fo: | 45.0 MHz |
| 2.2. Pass band | |
| 2.2.1. Bandwidth between 3 dB - frequencies: | > fo ± 25.0 kHz |
| 2.2.2. Ripple: | < 0.7 dB at fo ± 19.0 kHz |
| 2.2.3. Group delay distortion: | < 20 µs at fo ± 19.0 kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | < 3.0 dB |
| 2.2.5. Return loss at fo ± 19 kHz: | > 11.73 dB (VSWR < 1.7) |
| 2.3. Stop band | |
| 2.3.1. fo ± 50 kHz | > 70 dB |
| 2.3.2. Alternate attenuation | > 80 dB (except spurious) |
| 2.4. Terminating impedance (input and output): | 50 Ω // 0 pF |
| 2.5. Input power level for reference measurement: | 0 dBm |
| 2.5.1. Maximum input power level without destruction: | +15 dBm |

3. Marking: manufacturer, date code
MQF 45.0-5000/18

4. Environment conditions: Corresponding to Vectron standard CF001