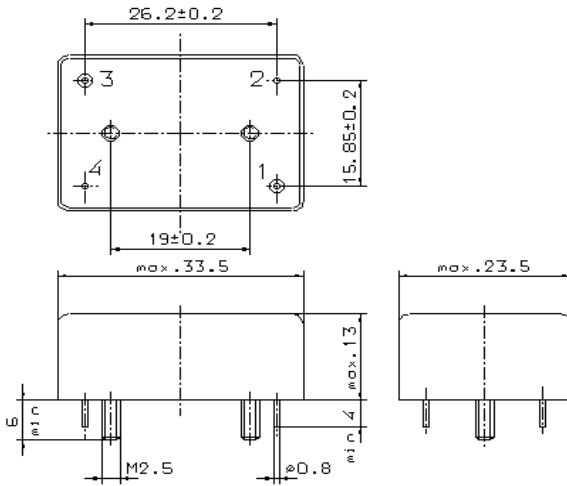
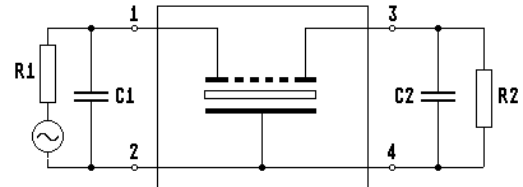


**1. General**

1.1. Package:



**GM 33**



- |                                   |                        |
|-----------------------------------|------------------------|
| 1.2. Type name:                   | MQF 130.....180-1400/C |
| 1.3. Number of poles:             | 4                      |
| 1.4. Operating temperature range: | -20°C to +70°C         |
| 1.5. Storage temperature range:   | -35°C to +80°C         |

**2. Electric values**

- |                                   |  |
|-----------------------------------|--|
| 2.1. Nominal center frequency fo: | 130.....180 MHz<br>T.B.D. by customer for each order |
|-----------------------------------|--|

**2.2. Pass band**

- |   |                                    |
|---|------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies:                                | $\geq f_o \pm 7.0$ kHz             |
| 2.2.2. Ripple:  | $\leq 1.0$ dB at $f_o \pm 5.0$ kHz |
| 2.2.3. Insertion loss:<br>( measured on smallest attenuation in pass band ) | $\leq 5.5$ dB                      |

**2.3. Stop band**

- |                           |              |
|---------------------------|--------------|
| 2.3.1. $f_o \pm 30$ kHz   | $\geq 20$ dB |
| 2.3.2. $f_o \pm 60$ kHz   | $\geq 45$ dB |
| 2.3.3. $f_o \pm 910$ kHz  | $\geq 60$ dB |
| 2.3.4. Spurious responses | $\geq 15$ dB |

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

- |             |   |
|-------------|---|
| 3. Marking: | manufacturer, date code<br>MQF 1xx.xxx-1400/C |
|-------------|---|

e. g. for center frequency 134.325 MHz filter part description is: MQF 134.325-1400/C

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