

Monolithic crystal filter

MQF10.7-1500/31



Application

- 10 pol filter
- i.f.- filter
- use in mobile and stationary transceivers

Limiting values

| | | Unit | Value |
|-----------------------|----------------------------|------|------------------------|
| Center frequency | f_0 | MHz | 10.7 |
| Insertion loss | | dB | ≤ 4.0 |
| Pass band at 3.0 dB | | kHz | ± 7.50 |
| Ripple in pass band | $f_0 \pm 6.00$ kHz | dB | ≤ 2.0 |
| Stop band attenuation | $f_0 \pm 15$ kHz | dB | ≥ 70 |
| | $f_0 \pm 20$ kHz | dB | > 90 |
| Alternate attenuation | $f_0 \pm 20 \dots 500$ kHz | dB | > 90 except spurious |

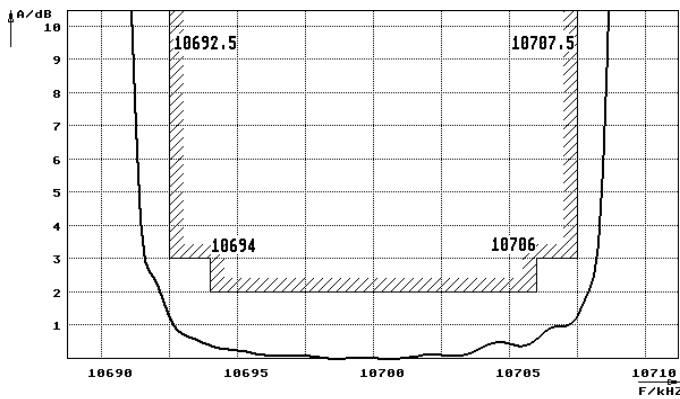
Terminating impedance Z

| | | |
|----------|--------|------------|
| R1 C1 | Ohm/pF | 4700 -1 |
| R2 C2 | Ohm/pF | 4700 -1 |

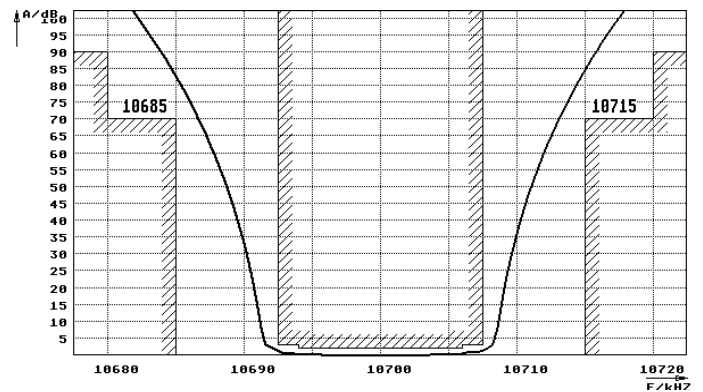
| | | |
|-----------------------|--------------------|------------|
| Operating temp. range | $^{\circ}\text{C}$ | -20... +70 |
|-----------------------|--------------------|------------|

Characteristics MQF10.7-1500/31

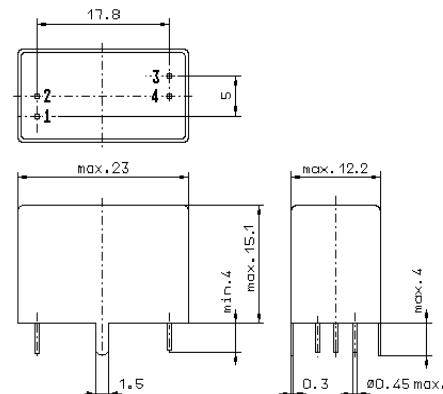
Pass band



Stop band



Pin connections: 1 Input
2 Input-E
3 Output
4 Output-E



GV6.2