

Monolithic crystal filter

MQF10.7-0840/07



Application

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

Limiting values

| | | Unit | Value |
|--|--------------------|---------|-------------|
| Center frequency | f_0 | MHz | 10.7 |
| Tolerance f_c | | Hz | $< \pm 350$ |
| Insertion loss | | dB | ≤ 3.5 |
| Pass band at 3.0 dB | | kHz | ± 4.20 |
| Ripple in pass band | $f_0 \pm 3.15$ kHz | dB | ≤ 1.0 |
| Stop band attenuation | $f_0 \pm 8.5$ kHz | dB | ≥ 60 |
| | $f_0 \pm 10.5$ kHz | dB | > 80 |
| Alternate attenuation | | dB | > 80 |
| Group delay difference between 2 filters of a pair | $f_0 \pm 2.52$ kHz | μs | < 35 |

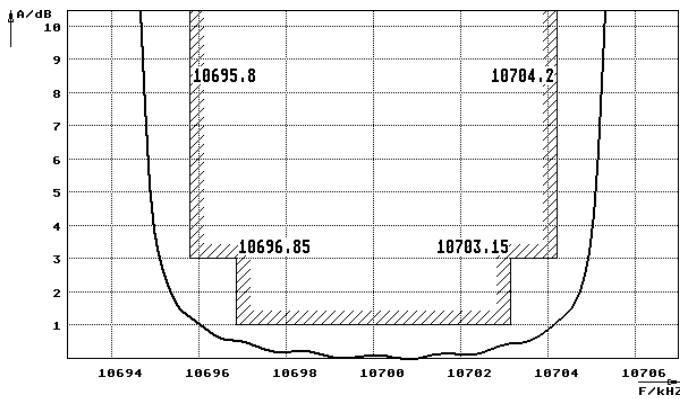
Terminating impedance Z

| | | |
|----------|--------|---------|
| R1 C1 | Ohm/pF | 50 0 |
| R2 C2 | Ohm/pF | 50 0 |

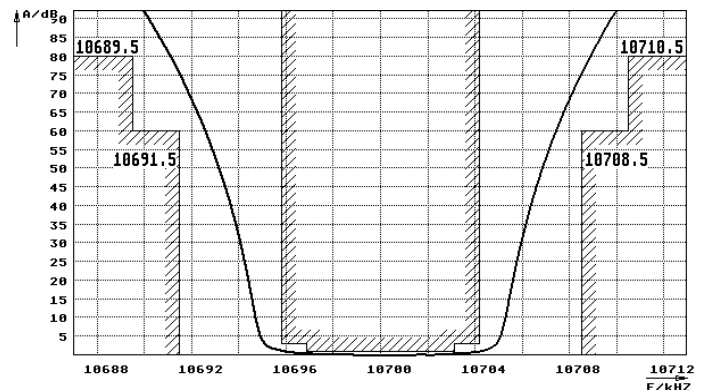
| | | |
|-----------------------|-------------|------------|
| Operating temp. range | $^{\circ}C$ | -20... +85 |
|-----------------------|-------------|------------|

Characteristics MQF10.7-0840/07

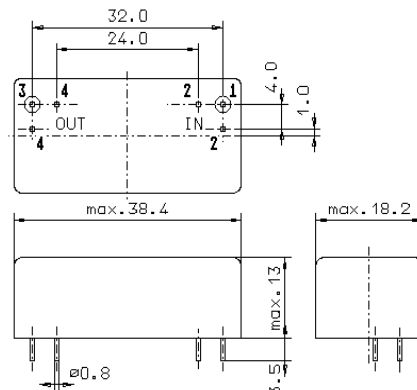
Pass band



Stop band



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



GM17