

Monolithic crystal filter

MQF 21.4-3000/67 (preliminary specification)



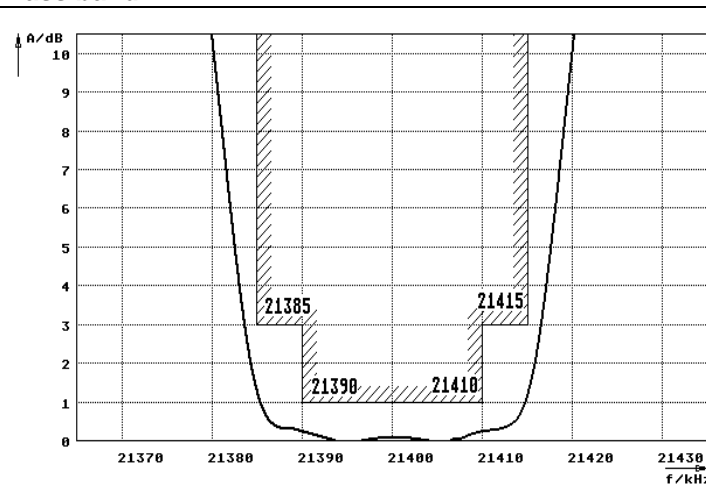
Application

- 4 pole filter

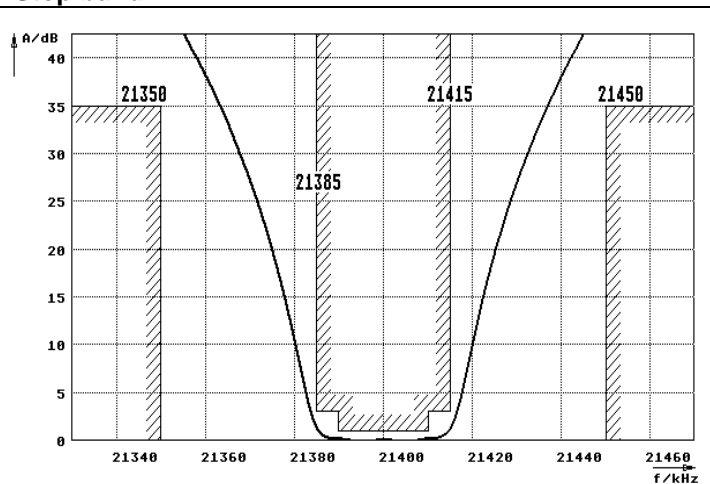
| Limiting values | | Unit | Value |
|-----------------------------|-----------------------------------|-----------------|----------------------|
| Nominal center frequency | f_0 | MHz | 21.4 |
| Insertion loss | | dB | < 5.0 |
| Pass band at 3.0 dB | | kHz | $> f_0 \pm 15$ |
| Ripple | $f_0 \pm 10$ kHz | dB | < 1.0 peak to peak |
| Stop band attenuation | $f_0 \pm 50$ kHz | dB | > 35 |
| Guaranteed attenuation | $f_0 \pm 910$ kHz | dB | > 60 except spurious |
| Spurious responses | $f_0 + 100 \dots + 1000$ kHz | dB | > 30 |
| Maximum input power level | working / non-damaged | dBm | +10 / +15 T.B.D. |
| Packing | tape & reel | 700 pcs. / reel | |
| Terminating impedance Z | | | |
| R1 C1 | | Ohm/pF | 50 // 0 |
| R2 C2 | | Ohm/pF | 50 // 0 |
| Operating temperature range | | °C | -40.....+85 |
| Storage temperature range | | °C | -55.....+85 |
| Environment conditions | according to Vectron MIL standard | | |

Characteristics MQF 21.4-3000/67

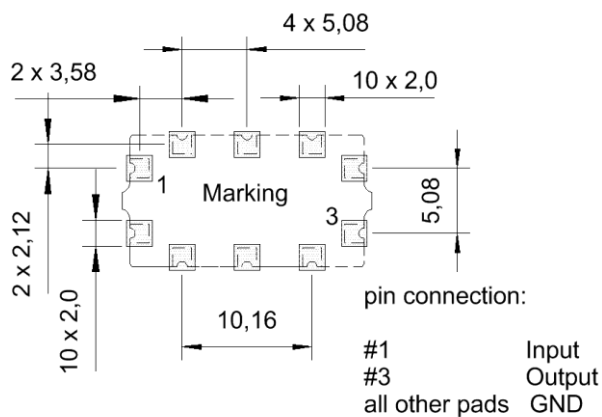
Pass band



Stop band



recommended footprint for package GS 10.9V1 top view



bottom view

