

# Monolithic crystal filter

## MQF21.4-3000/02



### Application

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

### Limiting values

|                       |                           | Unit | Value      |
|-----------------------|---------------------------|------|------------|
| Nominal frequency     | $f_0$                     | MHz  | 21.4       |
| Insertion loss        |                           | dB   | < 2.0      |
| Pass band at 3.0dB    |                           | kHz  | $\pm > 15$ |
| Ripple in pass band   | $f_0 \pm 10 \text{ kHz}$  | dB   | < 1.5      |
| Stop band attenuation | $f_0 \pm 50 \text{ kHz}$  | dB   | > 40       |
|                       | $f_0 \pm 100 \text{ kHz}$ | dB   | > 60       |
| Spurious responses    |                           | dB   | > 14       |

### Terminating impedance Z

|                      |    |        |              |
|----------------------|----|--------|--------------|
| R1  C1               |    | Ohm/pF | 2200    0.50 |
| R2  C2               |    | Ohm/pF | 2200    0.50 |
| Coupling capacitance | Ck | pF     | 3.5          |

Operating temp. range

°C -25... +70

Storage temp. range

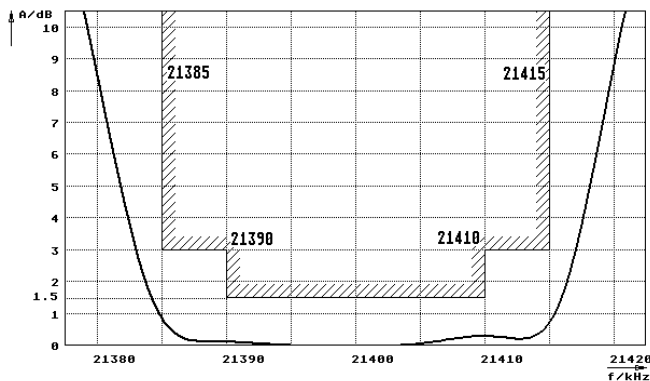
°C -55... +80

Environment conditions

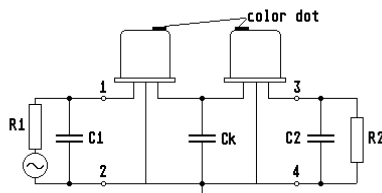
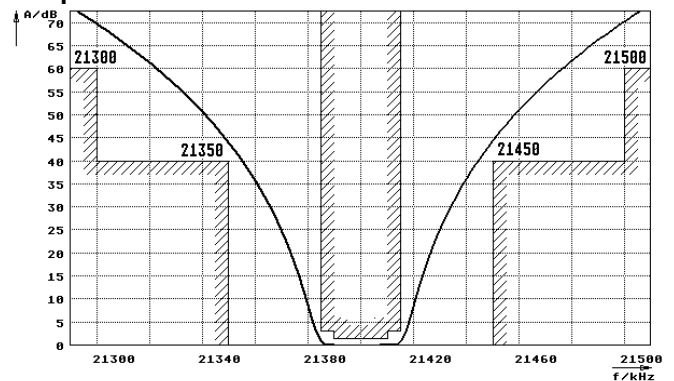
according to CF001

### Characteristics MQF21.4-3000/02

#### Pass band



#### Stop band



Pin connections:

- 1 Input
- 2 Ground-Input
- 3 Output
- 4 Ground-Output

