

# Monolithic crystal filter

## MQF21.4-1500/02



### 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   | < 2.5       |
| Pass band at 3.0dB    |                          | kHz  | $\pm > 7.5$ |
| Ripple in pass band   | $f_0 \pm 6 \text{ kHz}$  | dB   | < 1.0       |
| Stop band attenuation | $f_0 \pm 25 \text{ kHz}$ | dB   | > 40        |

### Terminating impedance Z

|                      |    |        |           |
|----------------------|----|--------|-----------|
| R1  C1               |    | Ohm/pF | 1600    2 |
| R2  C2               |    | Ohm/pF | 1600    2 |
| Coupling capacitance | Ck | pF     | 7.0       |

### Operating temp. range

### Storage temp. range

### Environment conditions

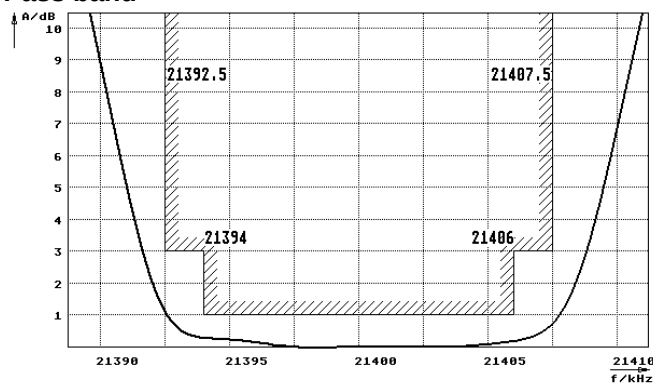
°C -25... +70

°C -30... +80

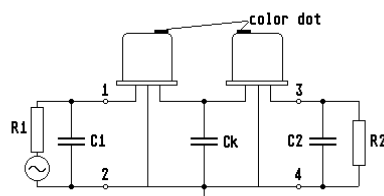
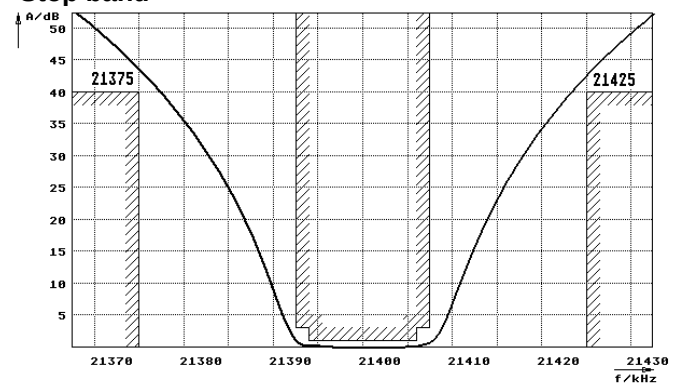
according to CF001

### Characteristics MQF21.4-1500/02

#### Pass band



#### Stop band



Pin connections:

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

