

# Crystal filter

## QF21.4-12000/06



### Application

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

| Limiting values       |                     | Unit | Value                |
|-----------------------|---------------------|------|----------------------|
| Center frequency      | Fo                  | MHz  | 21.4                 |
| Insertion loss        |                     | dB   | ≤ 9.0                |
| Pass band at 3.0 dB   |                     | kHz  | ± 60.00              |
| Ripple in pass band   | fo ± 45.00 kHz      | dB   | ≤ 1.5                |
| Stop band attenuation | fo - 300 kHz        | dB   | ≥ 60                 |
|                       | fo + 300 kHz        | dB   | > 40                 |
|                       | fo ± 400 kHz        | dB   | > 50                 |
| Alternate attenuation |                     | dB   | > 60 except spurious |
| IP3                   | fo±200kHz,fo±400kHz | dBm  | > 32.5               |

Terminating impedance Z

R1 || C1

Ohm/pF 50 || 0

R2 || C2

Ohm/pF 50 || 0

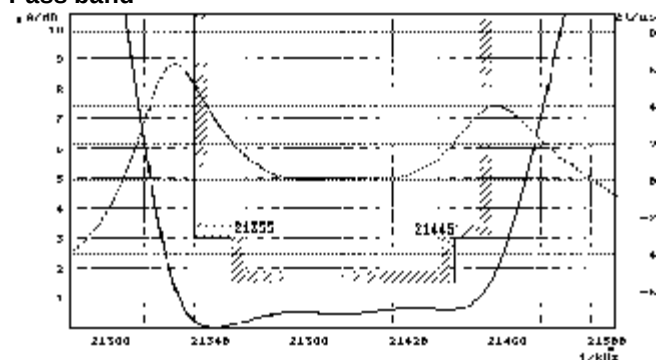
Operating temp. range

° C

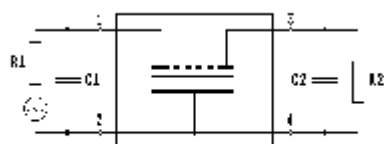
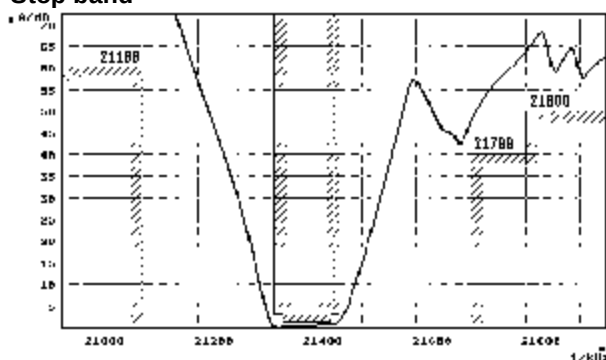
-20... +70

### Characteristics QF21.4-12000/06

#### Pass band



#### Stop band



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

