

# Crystal filter

## QF 1.4-L0235/05



### Application

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

| Limiting values       |                                  | Unit | Value                  |
|-----------------------|----------------------------------|------|------------------------|
| Center frequency      | $f_0$                            | MHz  | 1.4                    |
| Insertion loss        |                                  | dB   | $\leq 4.0$             |
| Pass band at 4.0 dB   |                                  | kHz  | -2.7...-0.35           |
| Ripple in pass band   | $f_0 - 2.3 \dots - 0.6$ kHz      | dB   | $\leq 2.0$             |
| Stop band attenuation | $f_0$                            | dB   | $\geq 20$              |
|                       | $f_0 - 3.1$ kHz                  | dB   | $> 35$                 |
|                       | $f_0 + 0.15$ kHz                 | dB   | $> 40$                 |
|                       | $f_0 - 3.4$ kHz; $f_0 + 0.4$ kHz | dB   | $> 60$                 |
| Alternate attenuation |                                  | dB   | $> 60$ except spurious |

Terminating impedance Z

R1 || C1

Ohm/pF 1000 || 15

R2 || C2

Ohm/pF 1000 || 15

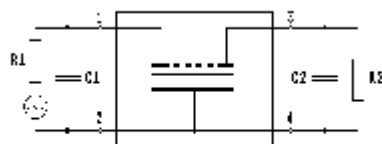
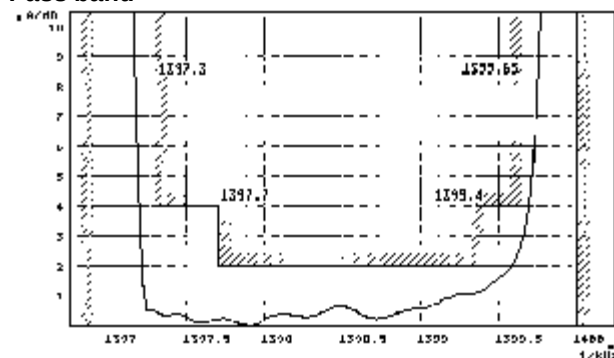
Operating temp. range

° C

-15... +55

### Characteristics QF 1.4-L0235/05

#### Pass band



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

#### Stop band

