

# Monolithic crystal filter

## MQF45.0-1500/09



### Application

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

### Limiting values

|                       |                          | Unit | Value       |
|-----------------------|--------------------------|------|-------------|
| Nominal frequency     | $f_0$                    | MHz  | 45.0        |
| Insertion loss        |                          | dB   | < 2.0       |
| 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   | > 15        |
| Alternate attenuation | $f_0 - 910 \text{ kHz}$  | dB   | > 70        |

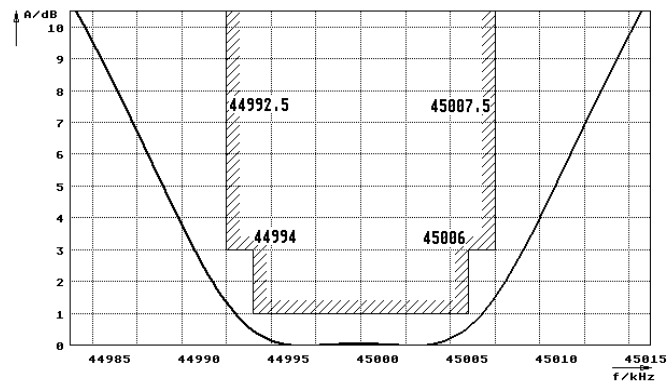
### Terminating impedance Z

|        |        |            |
|--------|--------|------------|
| R1  C1 | Ohm/pF | 650    4.7 |
| R2  C2 | Ohm/pF | 650    4.7 |

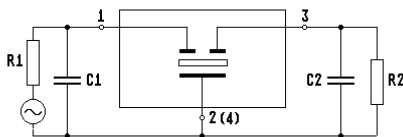
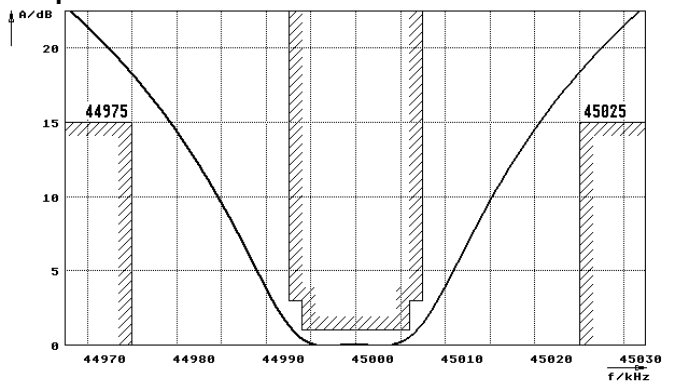
|                        |    |                    |
|------------------------|----|--------------------|
| Operating temp. range  | °C | -25... +70         |
| Storage temp. range    | °C | -45... +85         |
| Environment conditions |    | according to CF001 |

### Characteristics MQF45.0-1500/09

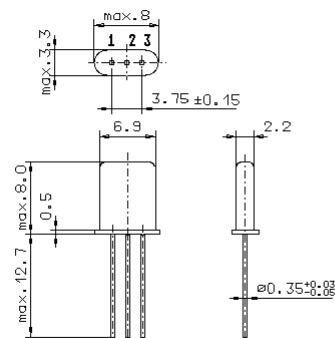
#### Pass band



#### Stop band



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



GH9

RoHS compliant