

Crystal filter

QF21.4-0020/06

Application

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



Limiting values

		Unit	Value
Nominal frequency	f_0	MHz	21.4
Centre frequency	f_c	MHz	$21.4 \pm 250\text{Hz}$
Insertion loss		dB	< 24.0
Pass band at 6.0dB		kHz	$\pm 0.1 \dots 0.25$
Ripple in pass band	$f_c \pm 0.1 \text{ kHz}$	dB	Gaussian
Stop band attenuation	$f_c \pm 0.5 \text{ kHz}$	dB	> 40
Alternate attenuation		dB	> 60
Group delay distortion	$f_c \pm 0.1 \text{ kHz}$	μs	< 300

Terminating impedance Z

R1 C1	Ohm/pF	50 0
R2 C2	Ohm/pF	50 0

Operating temp. range

°C -20... +70

Storage temp. range

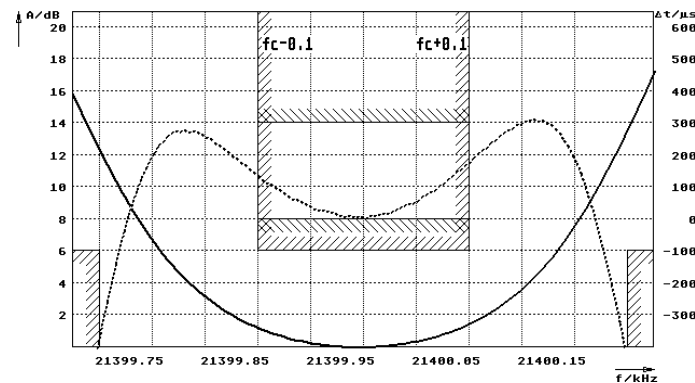
°C -45... +85

Environment conditions

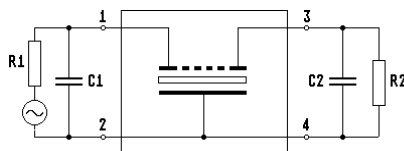
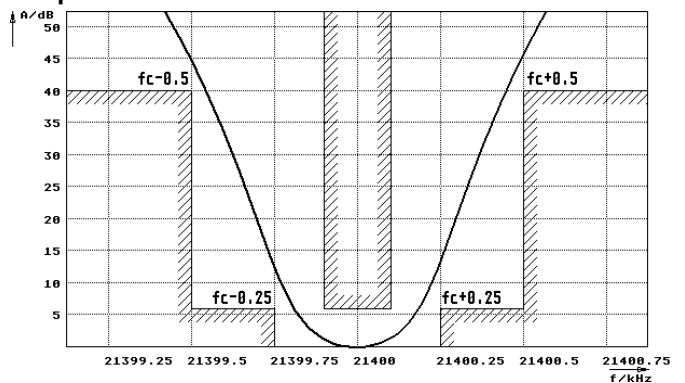
according to CF001

Characteristics QF21.4-0020/06

Pass band

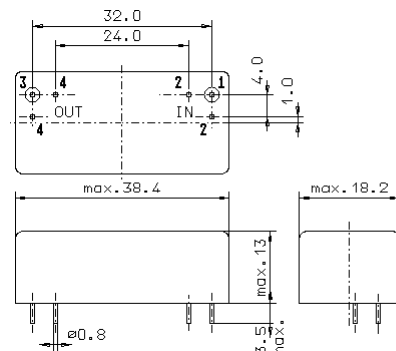


Stop band



Pin connections:

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



GM17