

Monolithic crystal filter

MQF40.025-0800/02



Application

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

Limiting values

		Unit	Value
Nominal frequency	f_0	MHz	40.025
Insertion loss		dB	< 3.0
Pass band at 1.0dB		kHz	$\pm > 4$
Ripple in pass band	$f_0 \pm 4 \text{ kHz}$	dB	< 1.0
Stop band attenuation	$f_0 \pm 30 \text{ kHz}$	dB	> 60
Alternate attenuation	$f_0 - 60 \text{ kHz} \dots - 39.625 \text{ MHz}$	dB	> 60
	$f_0 + 30 \text{ kHz} \dots + 250 \text{ MHz}$	dB	> 60 except spurious
Spurious responses	$f_0 \pm 30 \dots 2000 \text{ kHz}$	dB	> 40
Group delay distortion	$f_0 \pm 4 \text{ kHz}$	μs	< 300

Terminating impedance Z

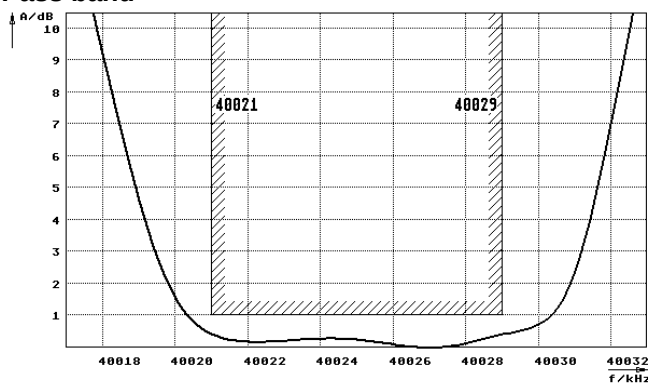
R1 C1	Ohm/pF	50 0
R2 C2	Ohm/pF	50 0

Operating temp. range
Storage temp. range
Environment conditions

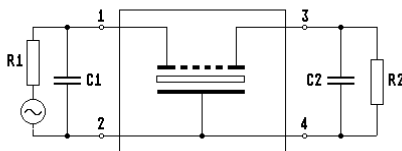
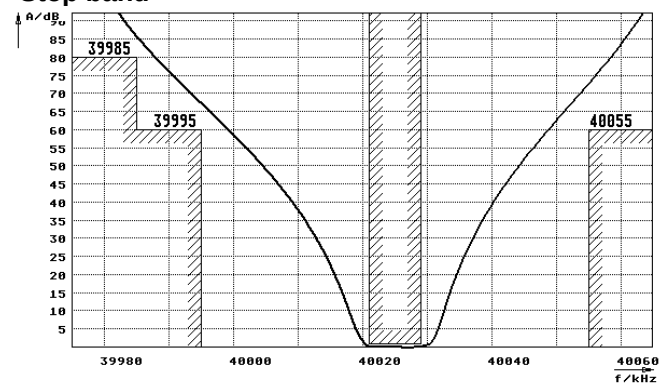
°C	-25... +70
°C	-45... +85
	according to CF001

Characteristics MQF40.025-0800/02

Pass band



Stop band



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

