

Monolithic crystal filter

MQF42.2-0800/02



Application

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

Limiting values

		Unit	Value
Nominal frequency	f_0	MHz	42.2
Insertion loss		dB	< 3.0
Pass band at 1.0dB		kHz	$\pm > 4$
Ripple in pass band	$f_0 \pm 4$ kHz	dB	< 1.0
Stop band attenuation	$f_0 \pm 25$ kHz	dB	> 60
Alternate attenuation	$f_0 - 40 \dots -60$ kHz	dB	> 80
	$f_0 - 60 \text{ kHz} \dots -42.2 \text{ MHz}$	dB	> 60
	$f_0 + 25 \dots +250$ kHz	dB	> 60
Spurious response		dB	> 40
Group delay distortion	$f_0 \pm 4$ kHz	μs	< 50
IP3	stop band	dBm	> 34
	pass band	dBm	> 25

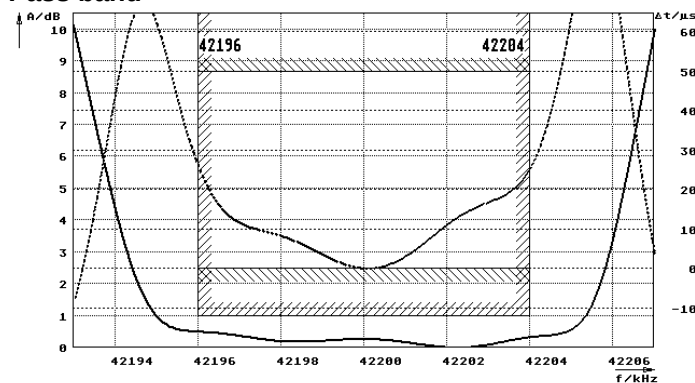
Terminating impedance Z

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

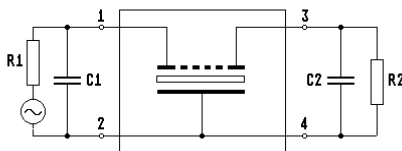
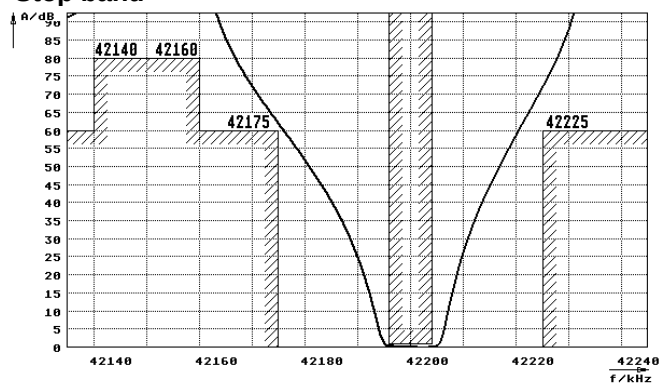
Operating temp. range	°C	-25... +70
Storage temp. range	°C	-45... +85
Environment conditions		according to CF001

Characteristics MQF42.2-0800/02

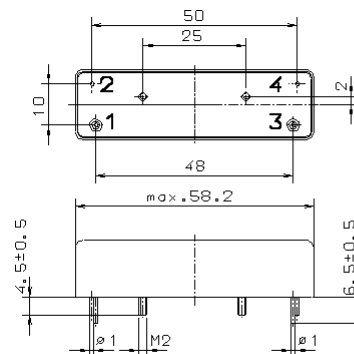
Pass band



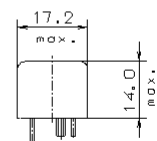
Stop band



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



GM 7.1



RoHS compliant