

Monolithic crystal filter

MQF21.4-2400/09



Application

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

Limiting values

		Unit	Value
Center frequency	f_0	MHz	21.4
Insertion loss		dB	≤ 3.5
Pass band at 3.0 dB		kHz	± 12.00
Ripple in pass band	$f_0 \pm 10.00$ kHz	dB	≤ 2.0
Stop band attenuation	$f_0 \pm 23$ kHz	dB	≥ 70
	$f_0 \pm 25$ kHz	dB	> 80
Alternate attenuation	$f_0 \pm 30...300$ kHz	dB	> 90 except spurious
Group delay distortion	$f_0 \pm 3.50$ kHz	μs	< 10
	$f_0 \pm 5.75$ kHz	μs	< 15
	$f_0 \pm 8.75$ kHz	μs	< 50

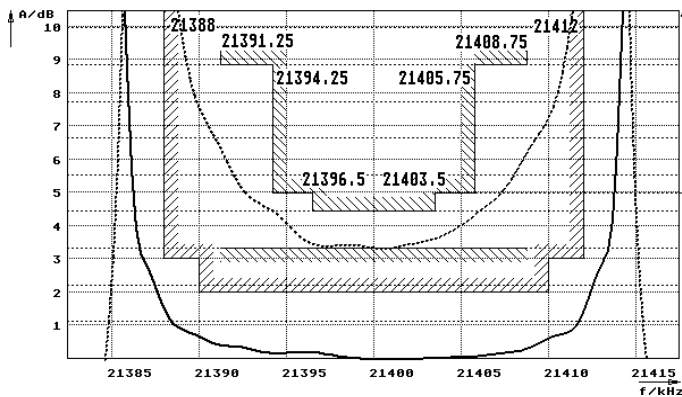
Terminating impedance Z

R1 C1	Ohm/pF	470 15
R2 C2	Ohm/pF	470 15

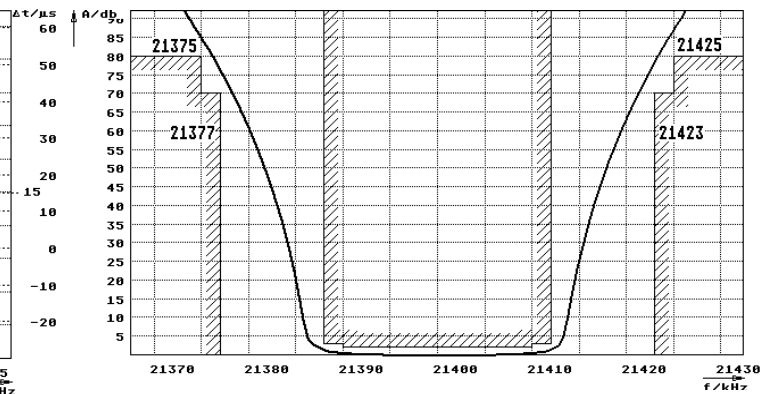
Operating temp. range $^{\circ}C$ -20... +70

Characteristics MQF21.4-2400/09

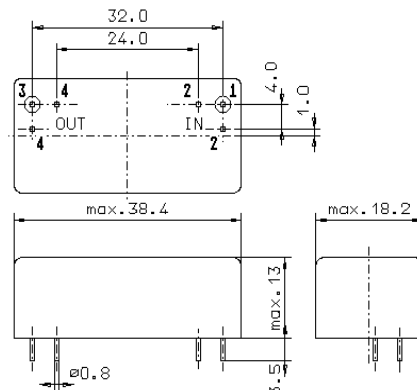
Pass band



Stop band



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



GM17