

Monolithic crystal filter

MQF21.4-1500/46



Application

- 8 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	± 7.50
Ripple in pass band	$f_0 \pm 6.00$ kHz	dB	≤ 2.0
Stop band attenuation	$f_0 \pm 17$ kHz	dB	≥ 70
	$f_0 \pm 22$ kHz	dB	> 90
Alternate attenuation	$f_0 \pm 22$ kHz..5 MHz	dB	> 90 except spurious
Output intermodulation	$P_0 = -20$ dBm, $f_1 = f_0 \pm 25$ kHz	dB	> 75
	$f_2 = f_0 \pm 50$ kHz		

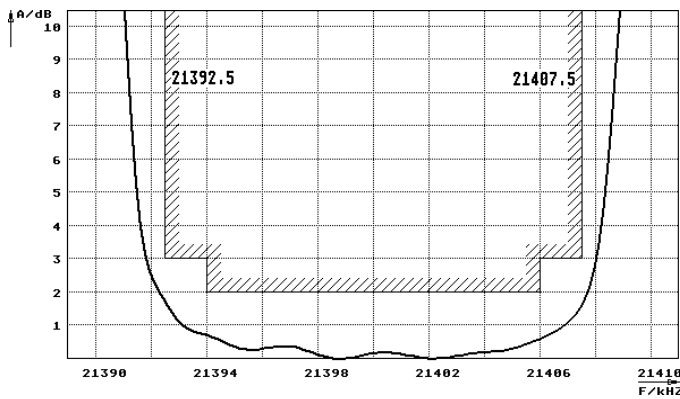
Terminating impedance Z

R1 C1	Ohm/pF	910 25
R2 C2	Ohm/pF	910 25

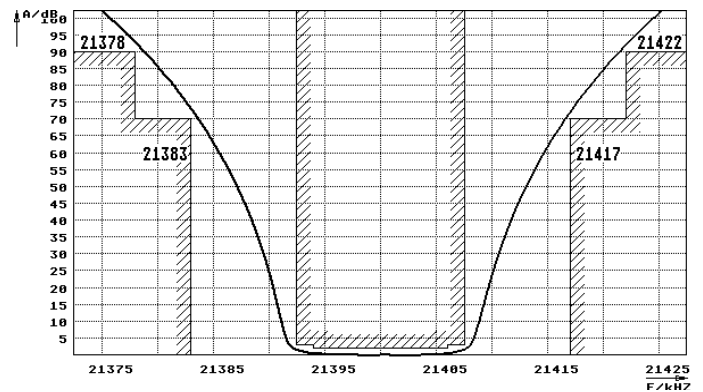
Operating temp. range	$^{\circ}$ C	-20... +70
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Characteristics MQF21.4-1500/46

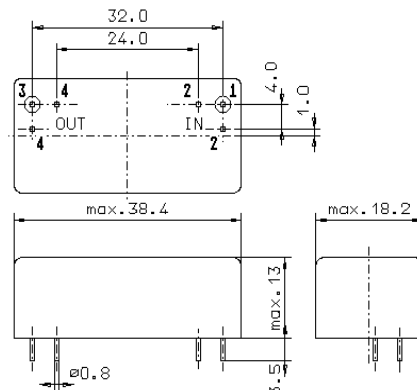
Pass band



Stop band



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



GM17