

Monolithic crystal filter

MQF21.421-3000/04



Application

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

Limiting values

		Unit	Value
Center frequency	f_0	MHz	21.421
Insertion loss		dB	≤ 4.0
Pass band at 3.0 dB		kHz	± 15.00
Ripple in pass band	$f_0 \pm 12.00$ kHz	dB	≤ 2.0
Stop band attenuation	$f_0 \pm 31$ kHz	dB	≥ 60
Alternate attenuation	$f_0 \pm 500$ kHz	dB	> 80
VSWR	$f_0 \pm 10$ kHz		< 1.8
IP3	stop band	dBm	> 30

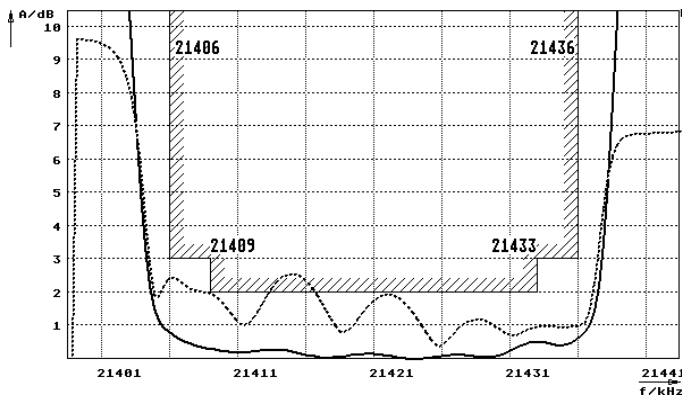
Terminating impedance Z

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

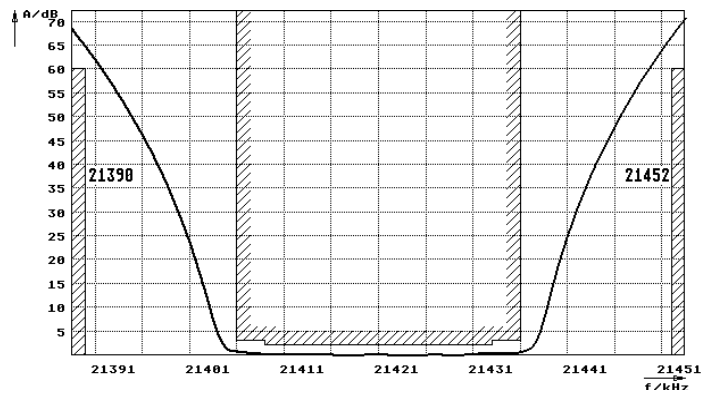
Operating temp. range ° C -20... +70

Characteristics MQF21.421-3000/04

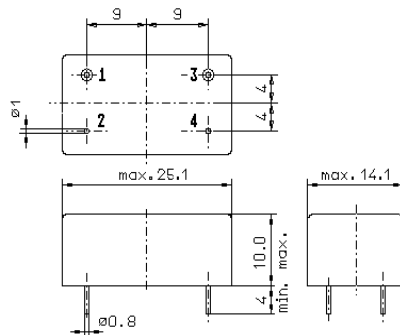
Pass band



Stop band



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



GM3