

# Monolithic crystal filter

## MQF21.0-1200/03



### Application

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

### Limiting values

		Unit	Value
Center frequency	$f_0$	MHz	21.0
Insertion loss		dB	$\leq 3.0$
Pass band at 3.0 dB		kHz	$\pm 6.00$
Ripple in pass band	$f_0 \pm 3.60$ kHz	dB	$\leq 1.0$
Stop band attenuation	$f_0 \pm 25$ kHz	dB	$\geq 50$
	$f_0 \pm 200$ kHz	dB	$> 80$
Alternate attenuation	$f_0 \pm 0.2...80$ MHz	dB	$> 60$ except spurious
IMD (input power -10 dBm)	$f_1=f_0\pm 200, f_2=f_0\pm 400$ kHz	dB	$> 85$
Return loss	$f_0 \pm 3.60$ kHz	dB	$> 9.5$

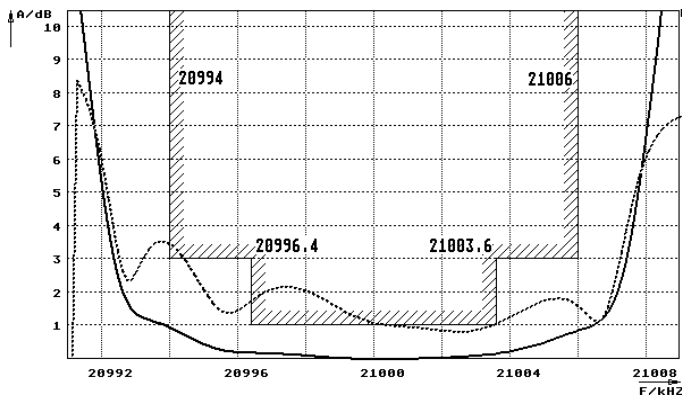
### Terminating impedance Z

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

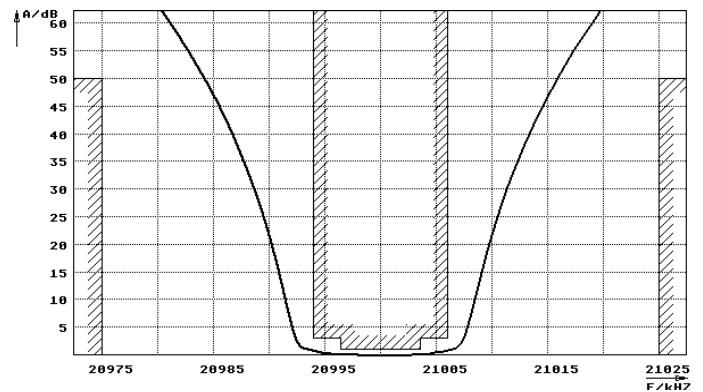
Operating temp. range	°C	-20... +50
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### Characteristics MQF21.0-1200/03

#### Pass band



#### Stop band



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

