

# Monolithic crystal filter

## MQF21.4-1500/33



### 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	$\leq 4.0$
Pass band at 6.0 dB		kHz	$\pm 7.5$
Ripple in pass band	$f_0 \pm 6.25$ kHz	dB	$\leq 2.0$
Stop band attenuation	$f_0 \pm 12.5$ kHz	dB	$\geq 50$
	$f_0 \pm 15$ kHz	dB	$> 70$
Alternate attenuation	$f_0 \pm 20..500$ kHz	dB	$> 90$
Group delay distortion	$f_0 \pm 6.25$ kHz	$\mu$ s	$< 70$

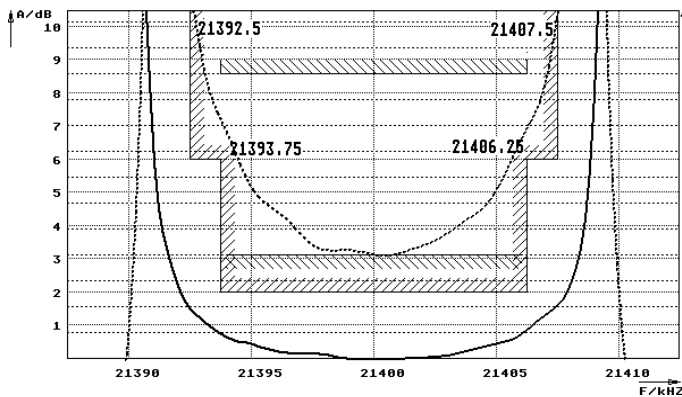
### Terminating impedance Z

R1    C1	Ohm/pF	1500    1
R2    C2	Ohm/pF	1500    1

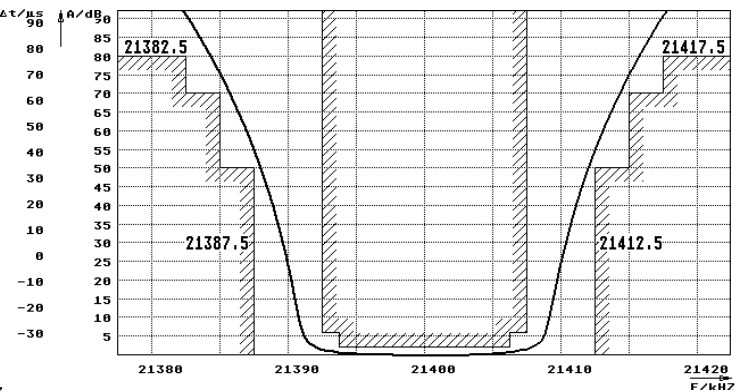
Operating temp. range	$^{\circ}$ C	-20... +70
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### Characteristics MQF21.4-1500/33

#### Pass band



#### Stop band



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

