

# Monolithic crystal filter

## MQF45.0-1200/09



### Application

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

### Limiting values

		Unit	Value
Center frequency	$f_0$	MHz	45.0
Insertion loss		dB	$\leq 4.0$
Pass band at 3.0 dB		kHz	$\pm 6.00$
Ripple in pass band	$f_0 \pm 4.00$ kHz	dB	$\leq 1.0$
Stop band attenuation	$f_0 \pm 20$ kHz	dB	$\geq 30$
	$f_0 \pm 27$ kHz	dB	$> 45$
Alternate attenuation	$f_0 \pm 910$ kHz	dB	$> 90$

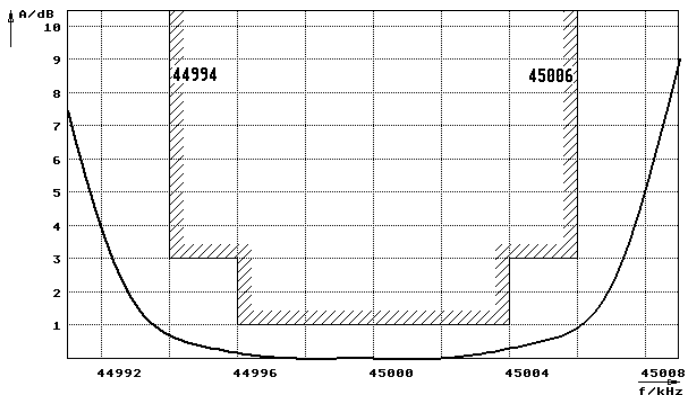
### Terminating impedance Z

R1    C1	Ohm/pF	500    4	
R2    C2	Ohm/pF	500    4	
Coupling capacitance	Ck	pF	12.0

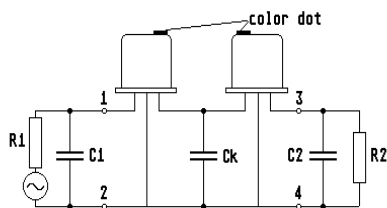
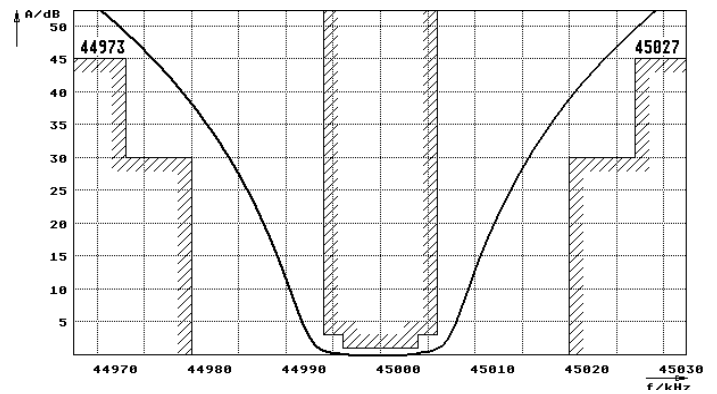
Operating temp. range	$^{\circ}\text{C}$	-25... +70
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### Characteristics MQF45.0-1200/09

#### Pass band



#### Stop band



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

