

Monolithic crystal filter

MQF90.0-2500/07



Application

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

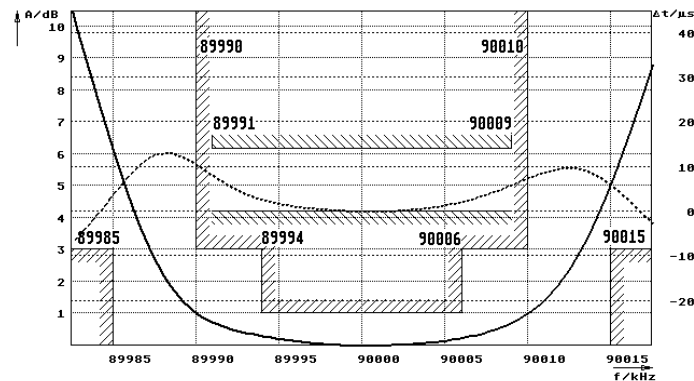
Limiting values

		Unit	Value
Center frequency	f_0	MHz	90.0
Insertion loss		dB	≤ 6.0
Pass band at 3.0 dB		kHz	$\pm 10.0 \dots 15.0$
Ripple in pass band	$f_0 \pm 6.00$ kHz	dB	≤ 1.0
Stop band attenuation	$f_0 \pm 25$ kHz	dB	≥ 19
	$f_0 \pm 50$ kHz	dB	> 34
Alternate attenuation	$f_0 + 0.5 \dots 1$ MHz	dB	> 70
	$f_0 - 0.3 \dots 1$ MHz	dB	> 70
Group delay distortion	$f_0 \pm 9$ kHz	μs	< 14
Terminating impedance Z			
R1 C1		Ohm/pF	310 1.2
R2 C2		Ohm/pF	310 1.2
Coupling capacitance		pF	8

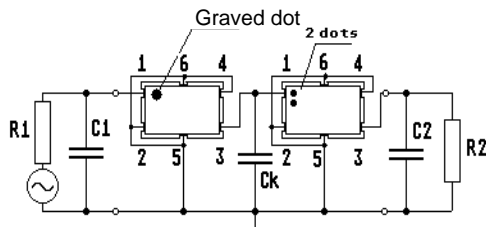
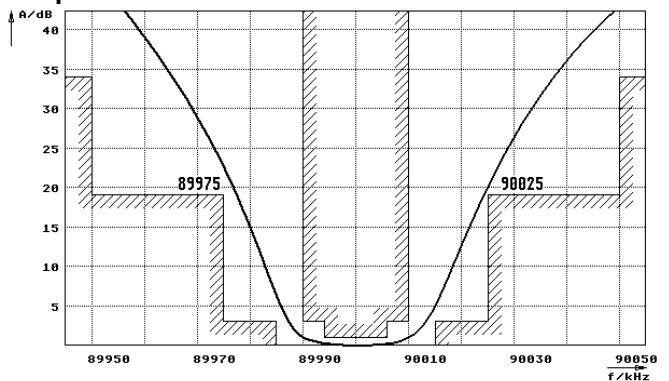
Operating temp. range	$^{\circ}\text{C}$	-20... +55
-----------------------	--------------------	------------

Characteristics MQF90.0-2500/07

Pass band



Stop band



- Pin connections:
- | | |
|------|--------|
| 1 | Input |
| 2, 4 | Ground |
| 3 | Output |
| 5, 6 | Ground |

