

Monolithic crystal filter

MQF70.0-0800/07



Application

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

Limiting values

		Unit	Value
Center frequency	f_0	MHz	70.0
Insertion loss		dB	≤ 5.0
Pass band at 3.0 dB		kHz	± 4.00
Ripple in pass band	$f_0 \pm 2.00$ kHz	dB	≤ 1.0
Stop band attenuation	$f_0 \pm 75$ kHz	dB	≥ 40
Alternate attenuation	$f_0 \pm 455$ kHz	dB	> 60
	$f_0 \pm 825 \dots 925$ kHz	dB	> 70
Spurious response		dB	> 40
Group delay distortion	$f_0 \pm 4.0$ kHz	μs	< 15

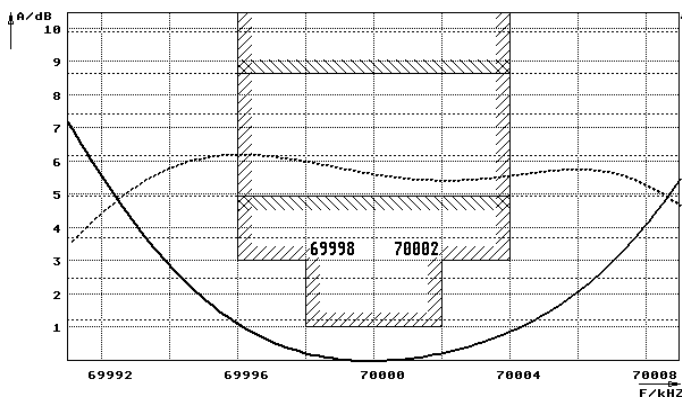
Terminating impedance Z

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

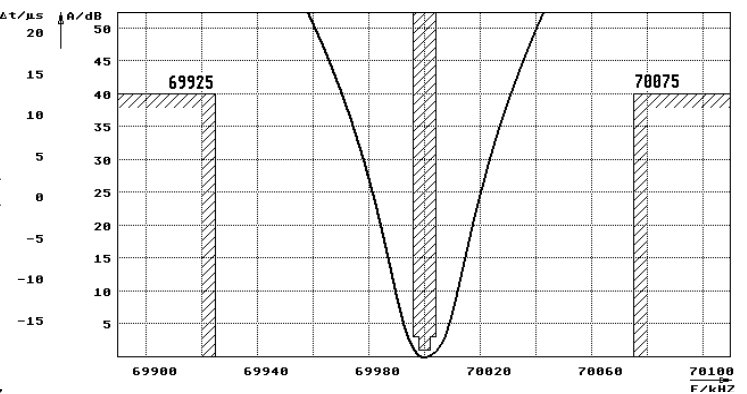
Operating temp. range $^{\circ}C$ -40... +85

Characteristics MQF70.0-0800/07

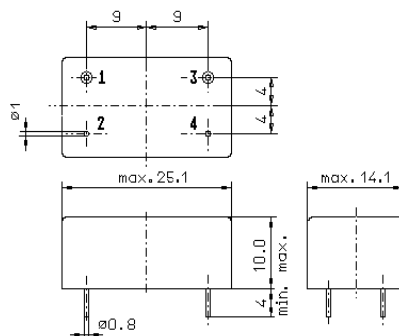
Pass band



Stop band



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



GM3