

Monolithic crystal filter

MQF10.7-2000/11 (preliminary specification)



Application

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

Limiting values

		Unit	Value
Nominal frequency	f_0	MHz	10.7
Insertion loss		dB	< 1.5
Pass band at 3.0dB		kHz	$\pm > 10$
Ripple in pass band	$f_0 \pm 8 \text{ kHz}$	dB	< 1.0
Stop band attenuation	$f_0 \pm 25 \text{ kHz}$	dB	> 30
	$f_0 \pm 40 \text{ kHz}$	dB	> 50 except spurious
Alternate attenuation	$f_0 \pm 60 \dots 500 \text{ kHz}$	dB	> 60 except spurious
Group delay distortion	$f_0 \pm 8 \text{ kHz}$	μs	< 30

Terminating impedance Z

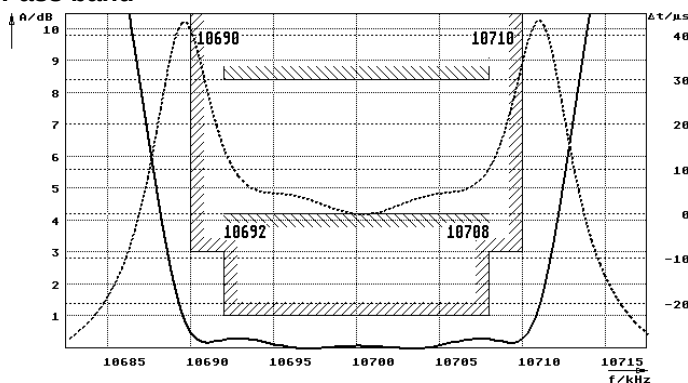
R1 C1		Ohm/pF	4500 0.50
R2 C2		Ohm/pF	4500 0.50
Coupling capacitance	Ck	pF	2.0

Operating temp. range

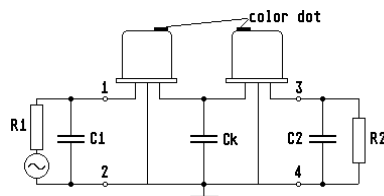
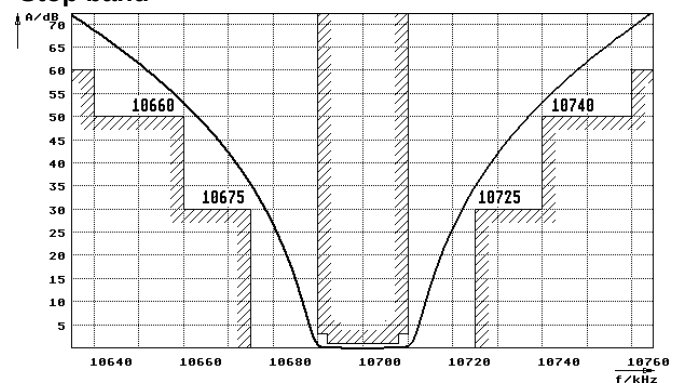
°C -20... +70

Characteristics MQF10.7-2000/11

Pass band

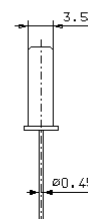
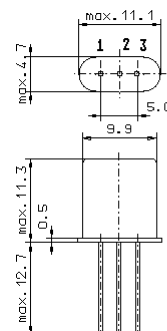


Stop band



Pin connections:

- 1 Input
- 2 Ground-Input
- 3 Output
- 4 Ground-Output



GH3