

Monolithic crystal filter

MQF10.7-0300/11 (preliminary specification)



Application

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

Limiting values

		Unit	Value
Nominal frequency	f_0	MHz	10.7
Centre frequency	f_c measured at 3 dB	MHz	10.7 ± 400 Hz
Insertion loss		dB	< 5.0
Pass band at 3.0dB		kHz	$f_c \pm (1.35 \dots 1.65)$
Ripple in pass band	$f_0 \pm 0.75$ kHz	dB	< 0.5
Stop band attenuation	$f_0 \pm 7.5$ kHz	dB	> 60
Alternate attenuation		dB	> 80 except spurious
VSWR	$f_c \pm 1.35$ kHz		< 2
Phase difference for pairs	f_c	°	< 12
Phase tracking	$f_c \pm 1.2$ kHz	°	< 6 referred to f_c

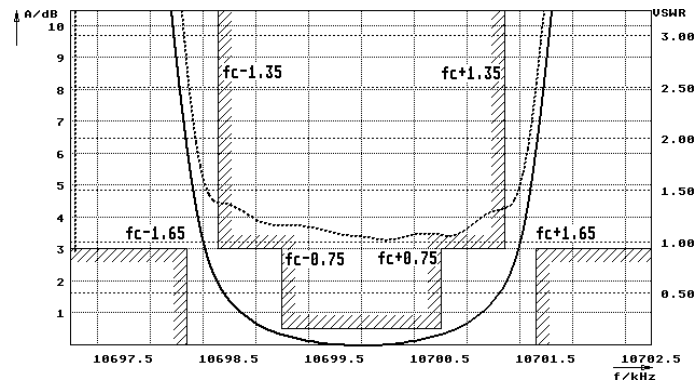
Terminating impedance Z

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

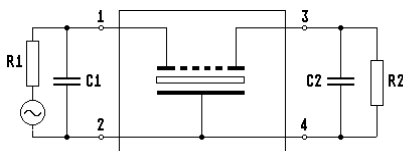
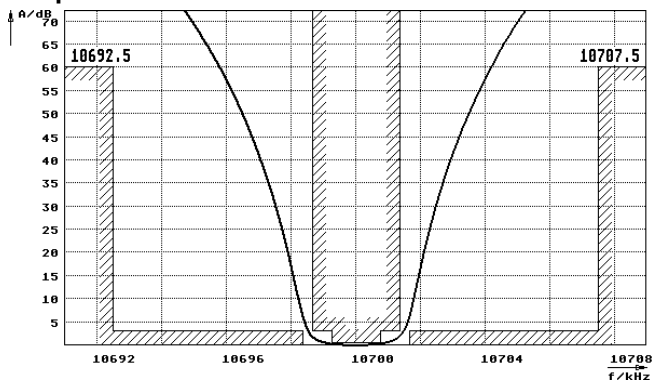
Operating temp. range	°C	+0... +50
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Characteristics MQF10.7-0300/11

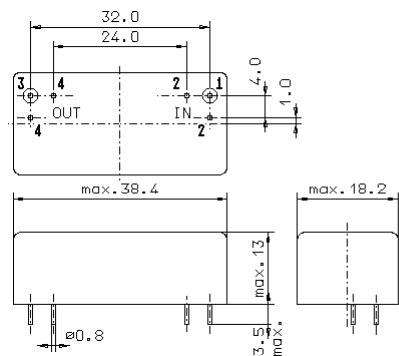
Pass band



Stop band



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



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