EPCOS

SAW Components

Data Sheet B3662

Data Sheet

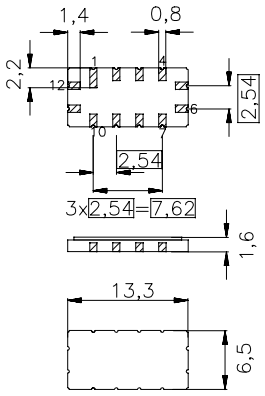
Features

Ceramic package **QCC12**

- IF filter for WLL
- Ceramic SMD package
- Low insertion attenuation

Terminals

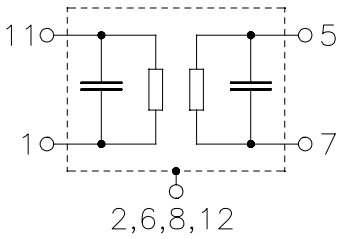
- Gold plated



Dimens. in mm, approx. weight 0,4 g

Pin configuration

11	Input
5	Output
1	Input ground
7	Output ground
3, 4, 9, 10	Ground
2, 6, 8, 12	Case ground



Type	Ordering code	Marking and Package according to	Packing according to
B3662	B39331-B3662-Z510	C61157-A7-A55	F61074-V8026-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

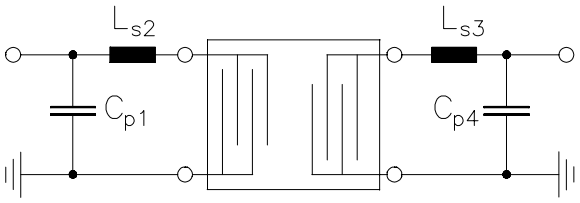
Operable temperature range	T_A	-40 / +85	˚C
Storage temperature range	T_{stg}	-45 / +85	˚C
DC voltage	V_{DC}	0	V
Source power	P_s	10	dBm

Characteristics

Operating temperature: T_A = -45 ... +85 °C
Terminating source impedance: Z_S = 50 Ω and matching network
Terminating load impedance: Z_L = 50 Ω and matching network

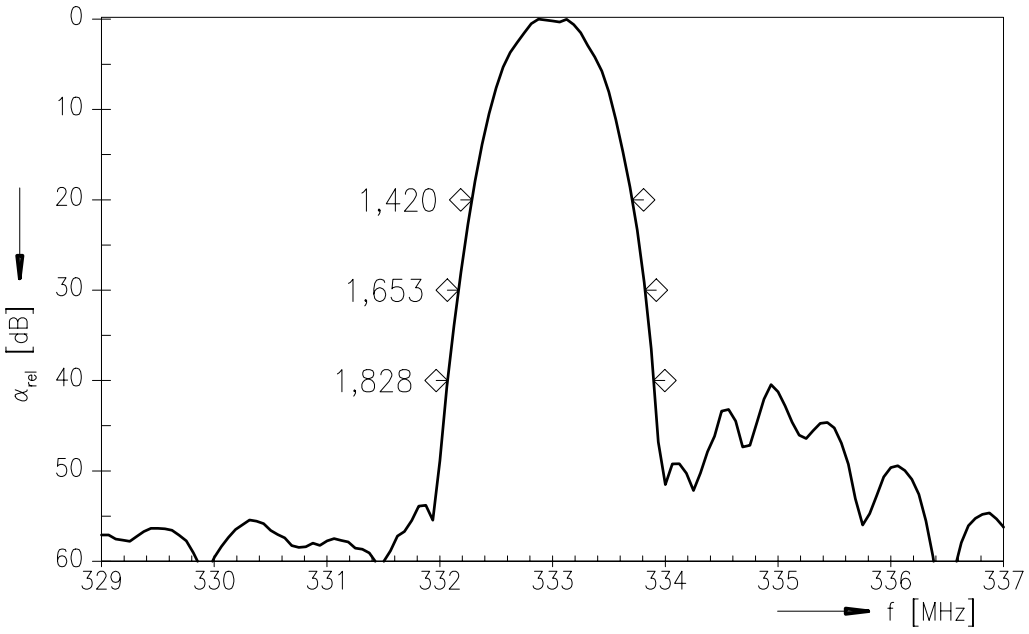
		min.	typ.	max.	
Center frequency	f_C	332,88	333,04	333,12	MHz
Minimum insertion attenuation	α_{min}	—	7,5	9,0	dB
Passband width					
$\alpha_{rel} \leq$ 3,0 dB	$B_{3,0dB}$	0,62	0,66	—	MHz
$\alpha_{rel} \leq$ 20,0 dB	B_{20dB}	—	1,42	1,5	MHz
$\alpha_{rel} \leq$ 30,0 dB	B_{30dB}	—	1,65	1,7	MHz
$\alpha_{rel} \leq$ 40,0 dB	B_{40dB}	—	1,83	1,9	MHz
$\alpha_{rel} \leq$ 50,0 dB	B_{50dB}	—	5,0	6,0	MHz
Group delay ripple (p-p)	$\Delta\tau$				
332,72 ... 333,25 MHz		—	400	500	ns
332,69 ... 333,31 MHz		—	400	650	ns
Triple Transit Suppression		30	31	—	dB

Matching network (element values may depend on pcb layout)

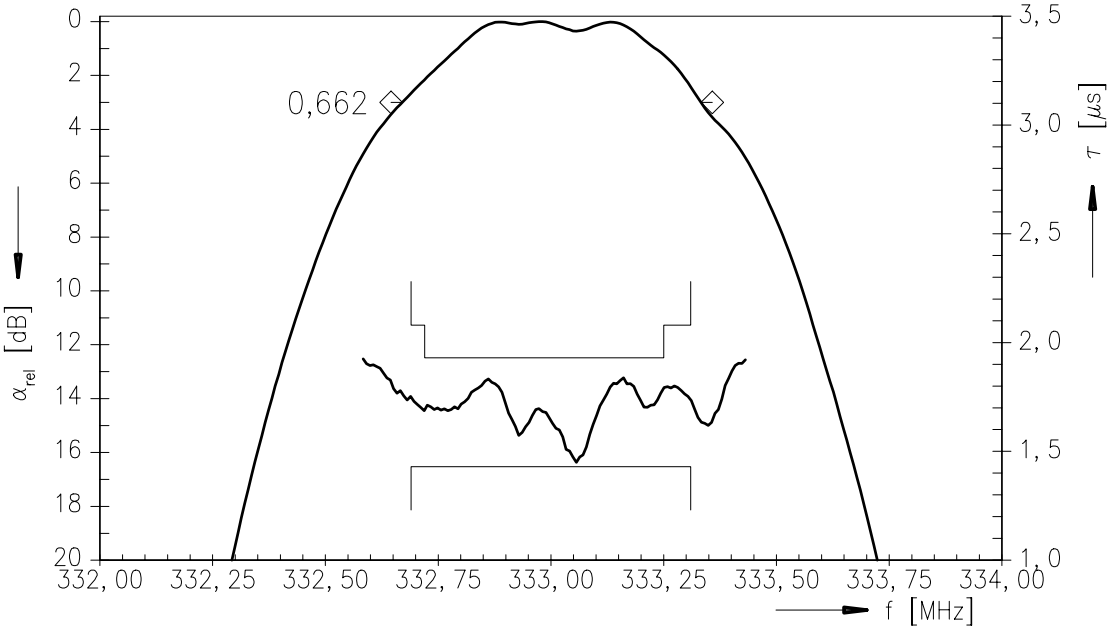


C_{p1} = 15 pF
L_{s2} = 18 nH
L_{s3} = 12 nH
C_{p4} = 18 pF

Transfer function:



Transfer function (pass band):



Published by EPCOS AG
Surface Acoustic Wave Components Division, OFW E NK
P.O. Box 80 17 09, D-81617 München

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