Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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EPCOS

SAW Components

Data Sheet B3625

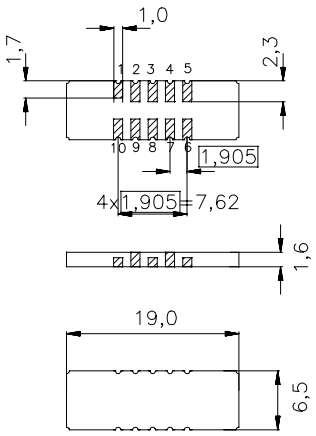
Ceramic package **DCC18**

Features

- Low-loss IF filter for basestation
- Channel selection in GSM systems
- Hermetically sealed ceramic SMD package

Terminals

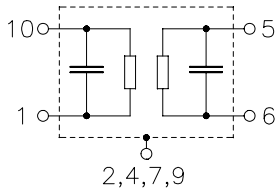
- Gold plated



Dim. in mm, aprox. weight 0,8 g

Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B3625	B39710-B3625-U210	C61157-A7-A54	F61074-V8069-Z000

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

Maximum ratings

Operable temperature range	T	– 30/+ 85	˚C	
Storage temperature range	T_{stg}	– 30/+ 85	˚C	
DC voltage	V_{DC}	0	V	
Source power	P_s	10	dBm	

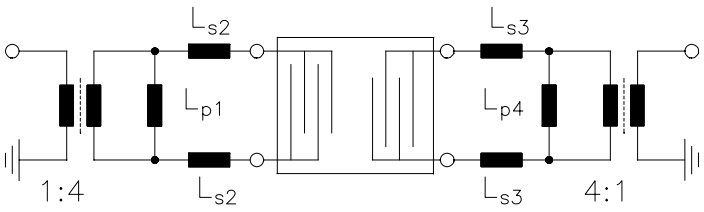
Characteristics

Operating temperature: T = 0 - 70 ˚C
Terminating source impedance: Z_S = 200 Ω unbalanced and matching network
Terminating load impedance: Z_L = 200 Ω unbalanced and matching network

		min.	typ.	max.	
Nominal frequency	f_N	—	71,0	—	MHz
Minimum insertion attenuation (including matching network)	α_N	—	7,0	8,0	dB
Passband width $\alpha_{rel} \leq 1$ dB	$B_{1,0dB}$	—	0,21	—	MHz
Amplitude ripple in passband	$\Delta\alpha$				
70,92 ... 71,08 MHz		—	±0,6	±1,0	dB
Absolute group delay	τ	2,35	2,50	2,65	µs
Group delay ripple (p-p)	$\Delta\tau$				
70,92 ... 71,08 MHz		—	0,45	1,5	µs
Relative attenuation (relative to α_N)	α_{rel}				
$f_N \pm 200$ kHz ... $f_N \pm 300$ kHz		3	—	—	dB
$f_N \pm 300$ kHz ... $f_N \pm 400$ kHz		13	—	—	dB
$f_N \pm 400$ kHz ... $f_N \pm 700$ kHz		23	—	—	dB
$f_N \pm 700$ kHz ... $f_N \pm 1600$ kHz		31	—	—	dB
@ $f_N \pm 800$ kHz		34	—	—	dB
$f_N \pm 1600$ kHz ... $f_N \pm 6000$ kHz		35	—	—	dB
$f_N \pm 6000$ kHz ... $f_N \pm 35000$ kHz		40	—	—	dB
IM3 level (Input level -14 dBm)					
$f_N \pm 800$ kHz		—	—	-95	dBm
$f_N \pm 1600$ kHz		—	—	-95	dBm
Temperature coefficient of frequency [1]	TC_f	—	– 0,033	—	ppm/K²
Turnover temperature	T_0	—	10	—	˚C

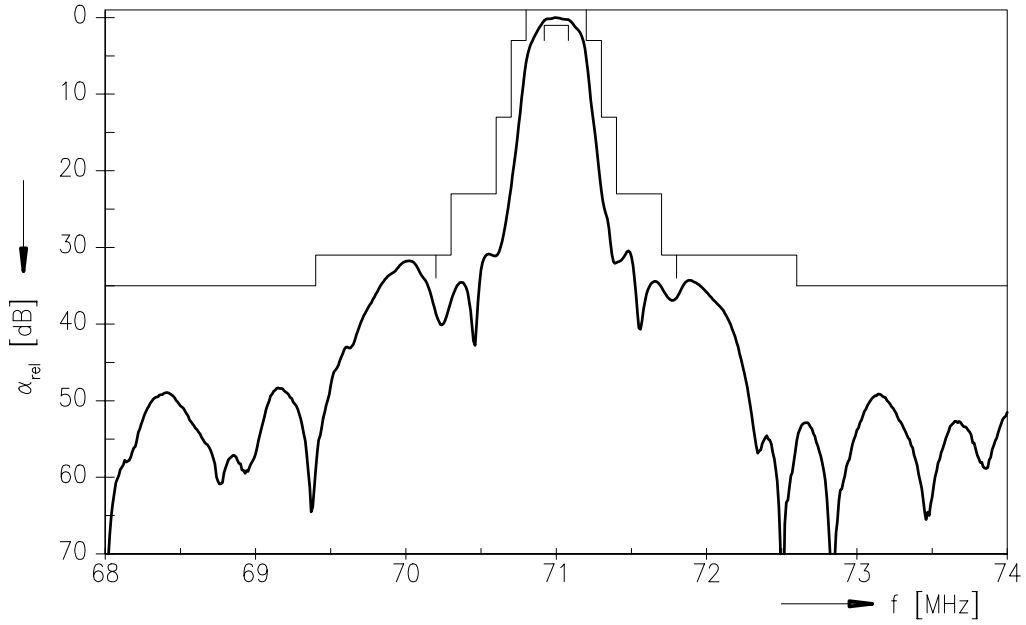
[1] Temperature dependance of f_c: $f_c(T_A) = f_c(T_0)(1 + TC_f(T_A - T_0)^2)$

Matching network:

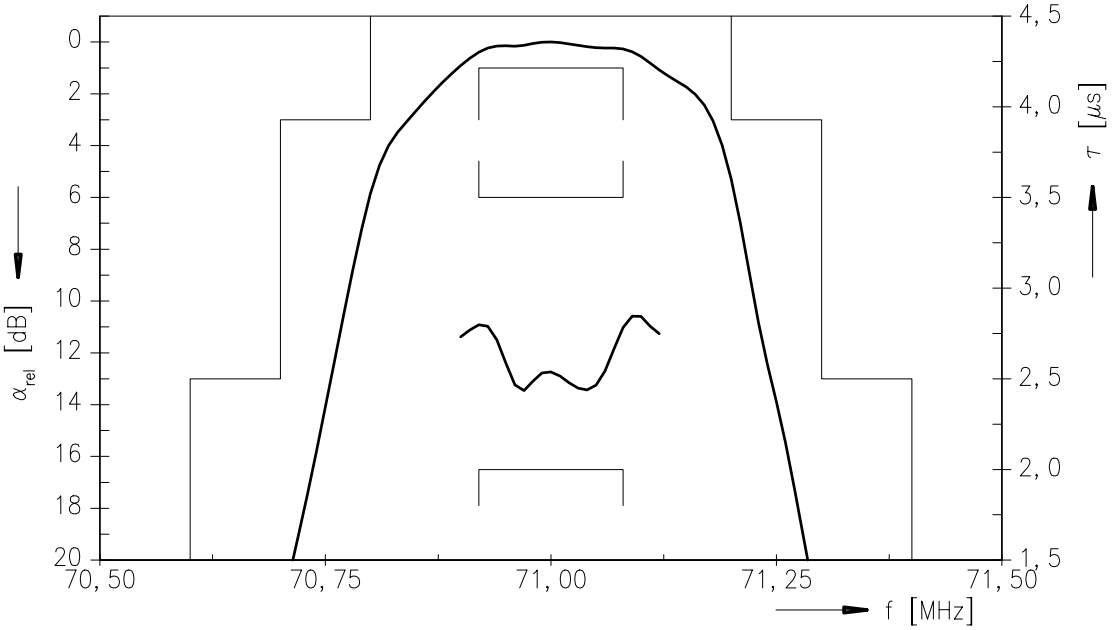


Lp1=120 nH
Ls2=120 nH
Ls3=220 nH
Lp4=180 nH

Normalized frequency response



Normalized frequency response (pass band)



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