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

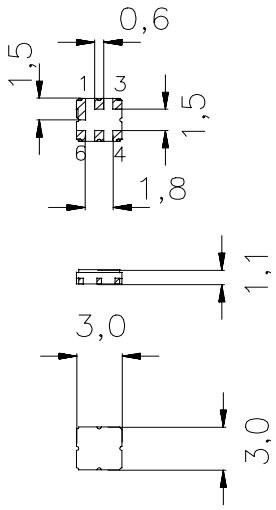
SAW Components

Data Sheet B3520

Ceramic package **DCC6C**

Features

- RF low-loss filter for GPS application
- Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω
- Extended temperature range for automotive application



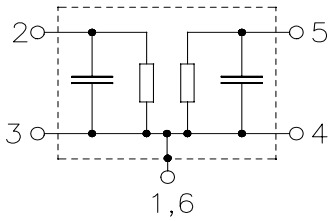
Dimensions in mm, approx. weight 0,1 g

Terminals

- Ni, gold plated

Pin configuration

2	Input
5	Output
1,3,4,6	Ground



Type	Ordering code	Marking and Package according to	Packing according to
B3520	B39162-B3520-U410	C61157-A7-A56	F61074-V8070-Z000

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

Maximum ratings

Operable temperature range	T_A	–40/+105	˚C	
Storage temperature range	T_{stg}	–40/+105	˚C	
DC voltage	V_{DC}	0	V	
Source power	P_S	0	dBm	source impedance 50 Ω

Characteristics

Reference temperature: T_A = -40 ... +85 ˚C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

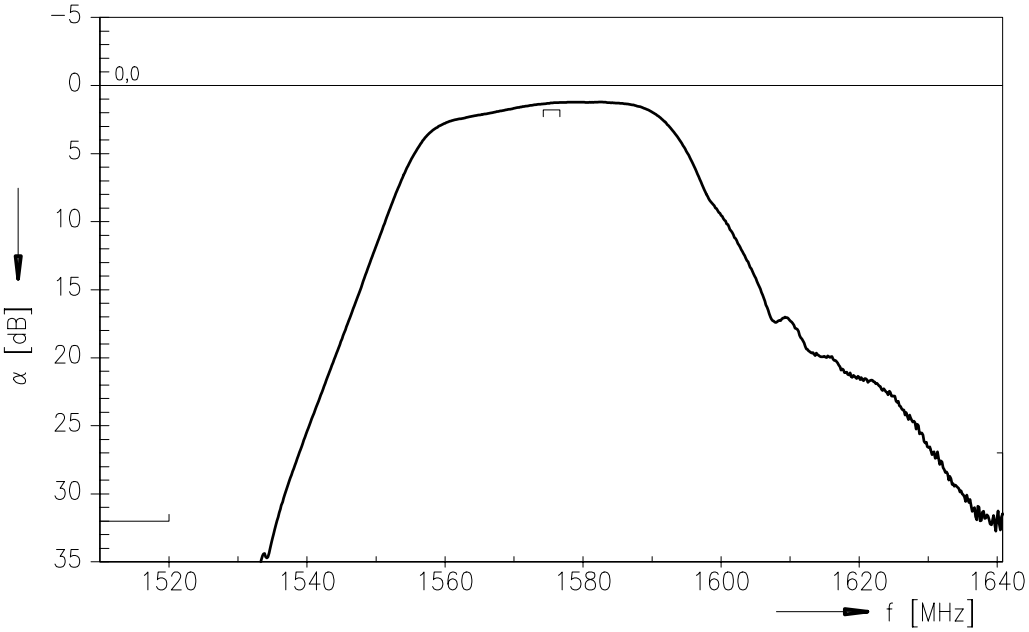
		min.	typ.	max.	
Center frequency	f_c	—	1575,42	—	MHz
Maximum insertion attenuation					
1574,22 ...1576,62 MHz	α_{max}	—	1,3	1,8	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
1574,22 ...1576,62 MHz		—	0,1	1,0	dB
Relative attenuation (relative to α_{max})	α_{rel}				
100,00 ...1450,00 MHz		40	44	—	dB
1450,00 ...1520,00 MHz		30	34	—	dB
1640,00 ...1710,00 MHz		25	30	—	dB
1710,00 ...1750,00 MHz		35	43	—	dB
1750,00 ...1910,00 MHz		42	44	—	dB
1910,00 ...2000,00 MHz		40	45	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

Characteristics

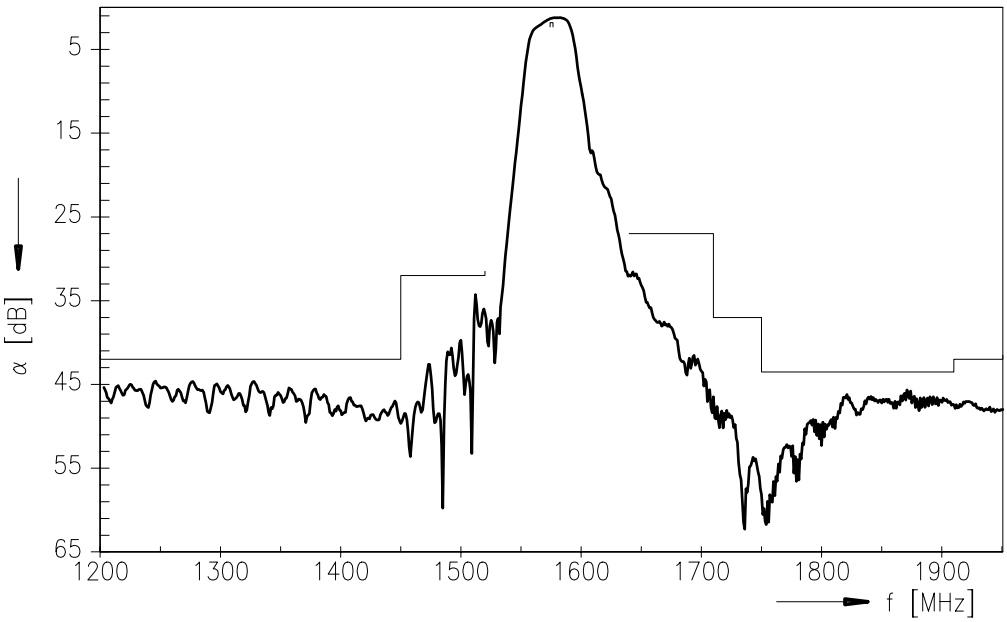
Reference temperature: T_A = -40 ... +105 ˚C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Center frequency	f_c	—	1575,42	—	MHz
Maximum insertion attenuation					
1574,22 ...1576,62 MHz	α_{max}	—	1,3	2,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
1574,22 ...1576,62 MHz		—	0,1	1,0	dB
Relative attenuation (relative to α_{max})	α_{rel}				
100,00 ...1450,00 MHz		40	44	—	dB
1450,00 ...1520,00 MHz		30	34	—	dB
1640,00 ...1710,00 MHz		25	30	—	dB
1710,00 ...1750,00 MHz		35	43	—	dB
1750,00 ...1910,00 MHz		42	44	—	dB
1910,00 ...2000,00 MHz		40	45	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

Transfer function



Transfer function (wideband)



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This brochure replaces the previous edition.

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