



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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SAW Components

Data Sheet B4041

Data Sheet

A large, stylized, 3D-rendered graphic of the EPCOS logo. The letters "EPCOS" are rendered in a white, glowing, sans-serif font, appearing to be part of a larger, curved structure that resembles a stylized globe or a series of overlapping planes. The background is dark and textured.



SAW Components

B4041

Low-Loss Filter for Mobile Communication

2450,0 MHz

Data Sheet



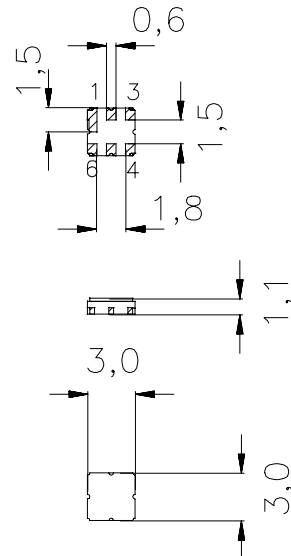
Ceramic package **DCC6C**

Features

- Low-loss RF filter for ISM 2450 MHz
- Low amplitude ripple
- Usable passband 97 MHz
- Package for Surface Mounted Technology (SMT)
- Ceramic SMD package

Terminals

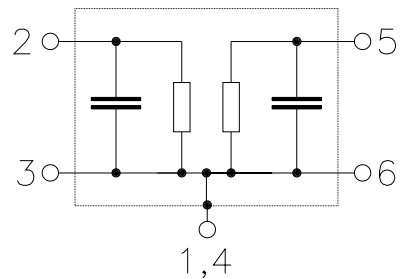
- Gold-plated Ni



Dimensions in mm, approx. weight 0,037 g

Pin configuration

- 2 Input
- 5 Output
- 1, 3, 4, 6 Ground, to be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B4041	B39252-B4041-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operating temperature range	T	- 40/+ 85	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	- 40/+ 85	°C	
DC voltage	V_{DC}	0	V	
Input Power max.	P_{IN}	7,5	dBm	



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B4041

Low-Loss Filter for Mobile Communication

2450,0 MHz

Data Sheet



Characteristics

Operating Temperature Range: $T = -40^{\circ}\text{C}$ to 85°C
 Terminating source impedance: $Z_S = 50\Omega$
 Terminating load impedance: $Z_L = 50\Omega$

		min.	typ.	max.	
Center frequency	f_C	—	2448,5	—	MHz
Maximum insertion attenuation	α_{\max}				
2400,0 ... 2497,0 MHz		—	2,9	4,0	dB
		—	2,6*	3,0*	dB
Amplitude ripple	$\Delta\alpha$				
2400,0 ... 2497,0 MHz		—	1,4	2,7	dB
Attenuation	α				
0,00 ... 1785,00 MHz		15	19	—	dB
1785,00 ... 2100,00 MHz		18	22	—	dB
2100,00 ... 2300,00 MHz		24	28	—	dB
2600,00 ... 2800,00 MHz		22	26	—	dB
2800,00 ... 3100,00 MHz		24	28	—	dB
3100,00 ... 4200,00 MHz		20	25	—	dB
4200,00 ... 5000,00 MHz		7	10	—	dB

* alternative operating temperature range ($T = -10^{\circ}\text{C}$ to 55°C) for indoor application



SAW Components

B4041

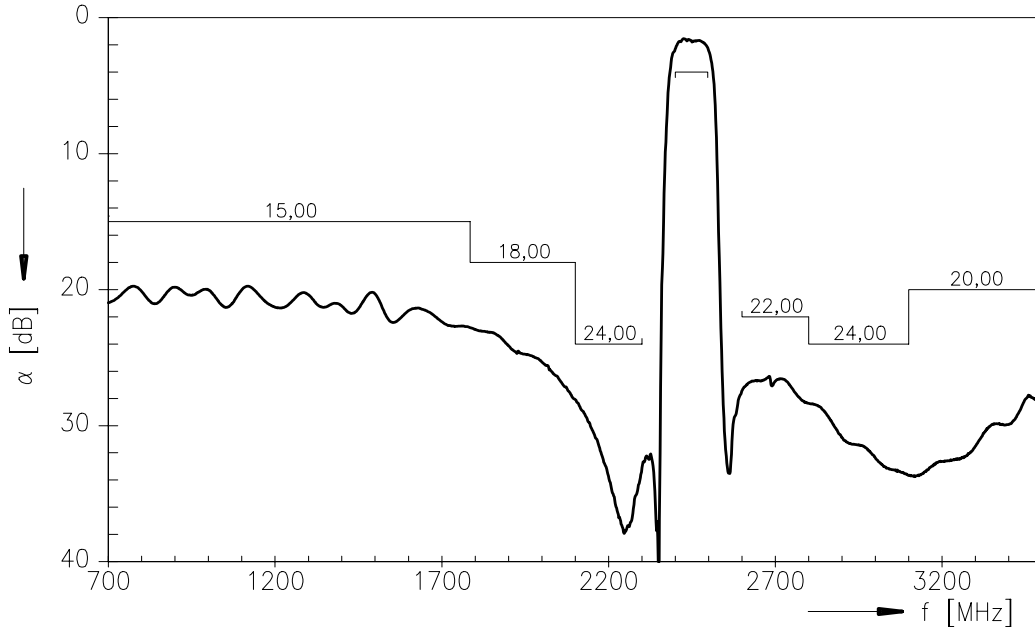
Low-Loss Filter for Mobile Communication

2450,0 MHz

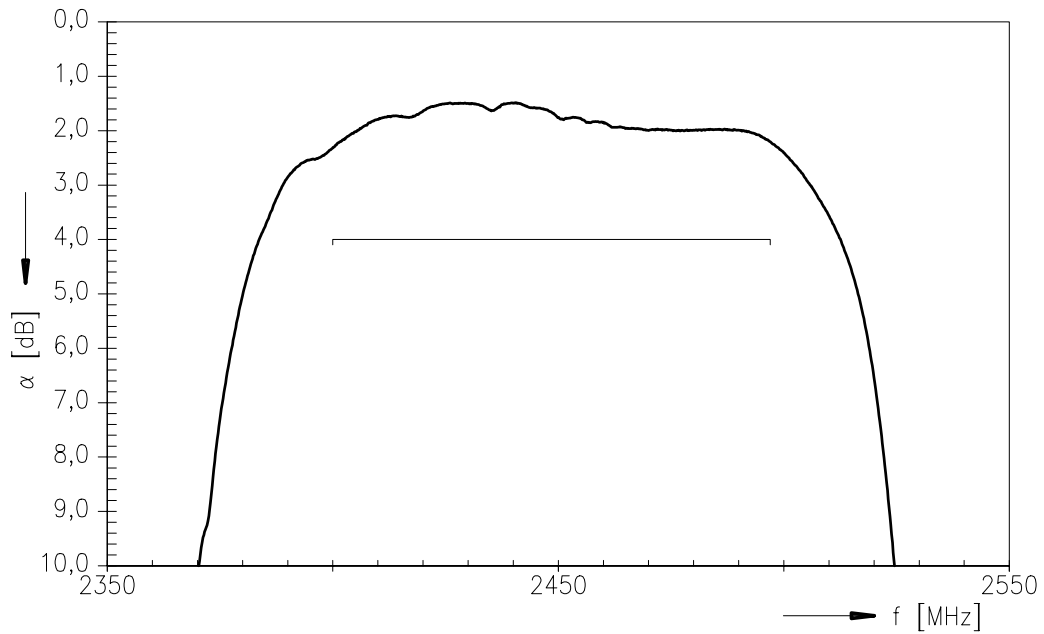
Data Sheet



Transfer function

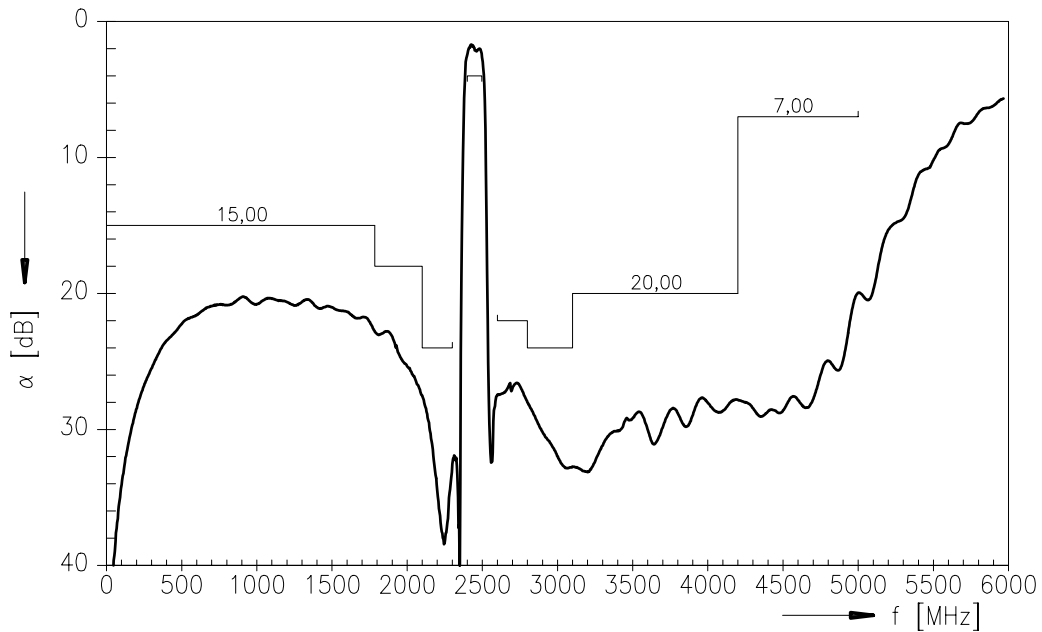


Transfer function (passband)





Transfer function (wideband)



Published by EPCOS AG

Surface Acoustic Wave Components Division, OFW E MF

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