



SAW Components

Data Sheet B4041





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B4041

Low-Loss Filter for Mobile Communication

2450,0 MHz

Data Sheet



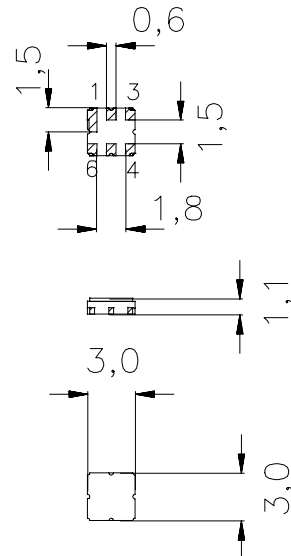
Ceramic package **DCC6C**

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

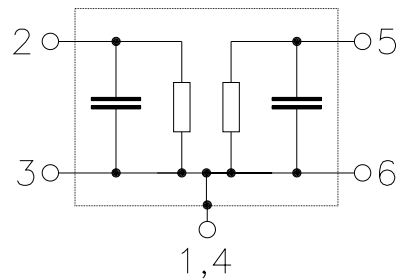
- Gold-plated Ni



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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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 2400,0 ... 2497,0 MHz	α_{\max}	—	2,9	4,0	dB	
		—	2,6*	3,0*		
Amplitude ripple 2400,0 ... 2497,0 MHz	$\Delta\alpha$	—	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



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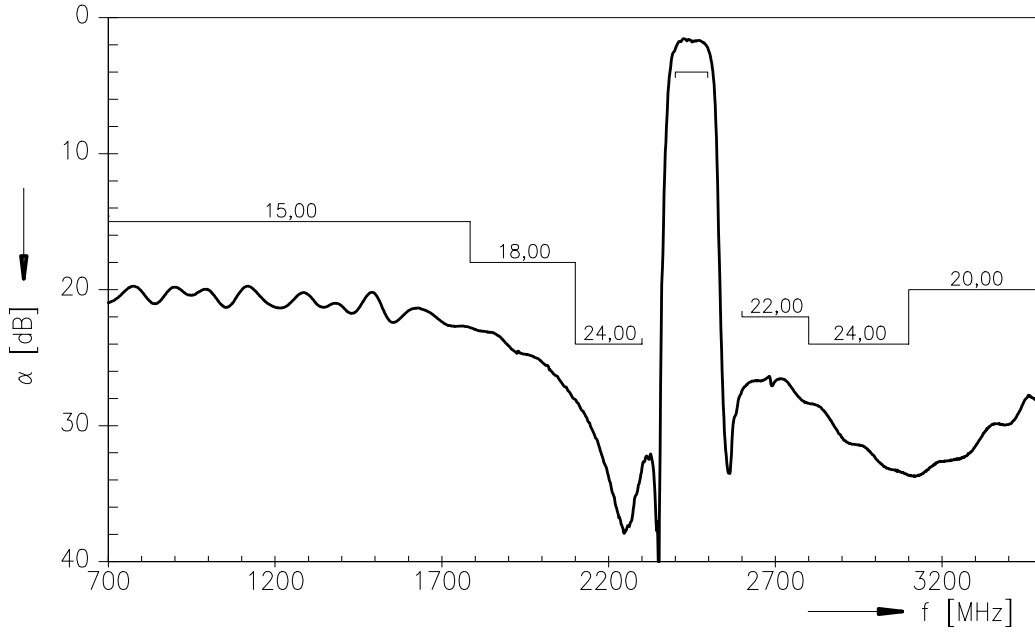
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2450,0 MHz

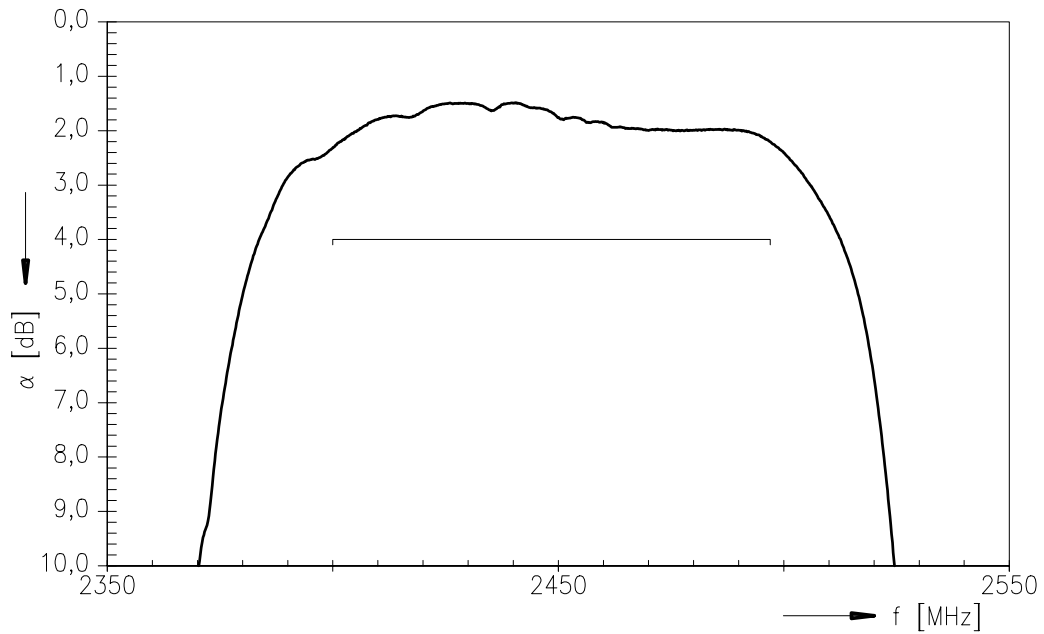
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Transfer function

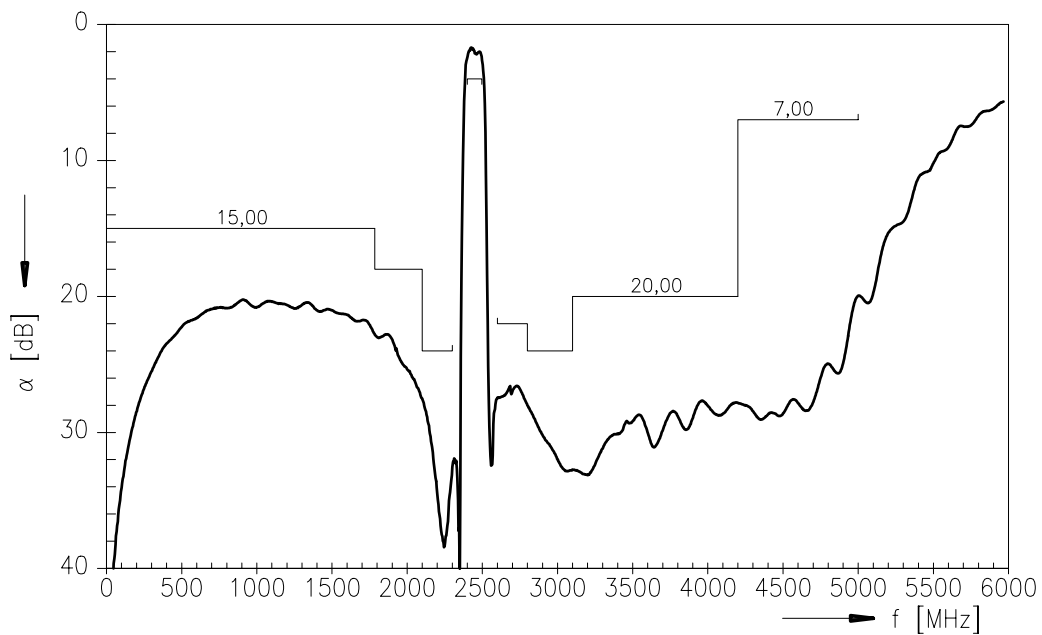


Transfer function (passband)





Transfer function (wideband)



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