



SAW Components

Data Sheet B4041

Data Sheet

An abstract, grayscale graphic featuring a globe with a grid pattern, overlaid with a large, stylized, and slightly blurred "EPCOS" logo. The logo is rendered in a light gray, almost white, color, giving it a three-dimensional appearance as if it's floating or attached to the globe. The background is dark and textured with some light streaks and gradients.

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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	$\alpha_{\max}$				
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



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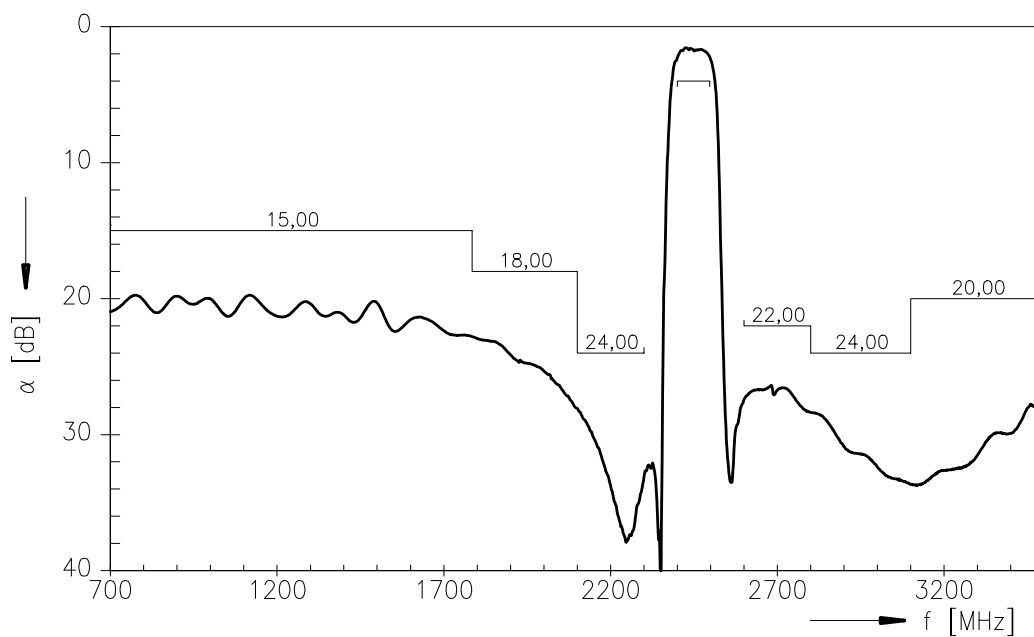
Low-Loss Filter for Mobile Communication

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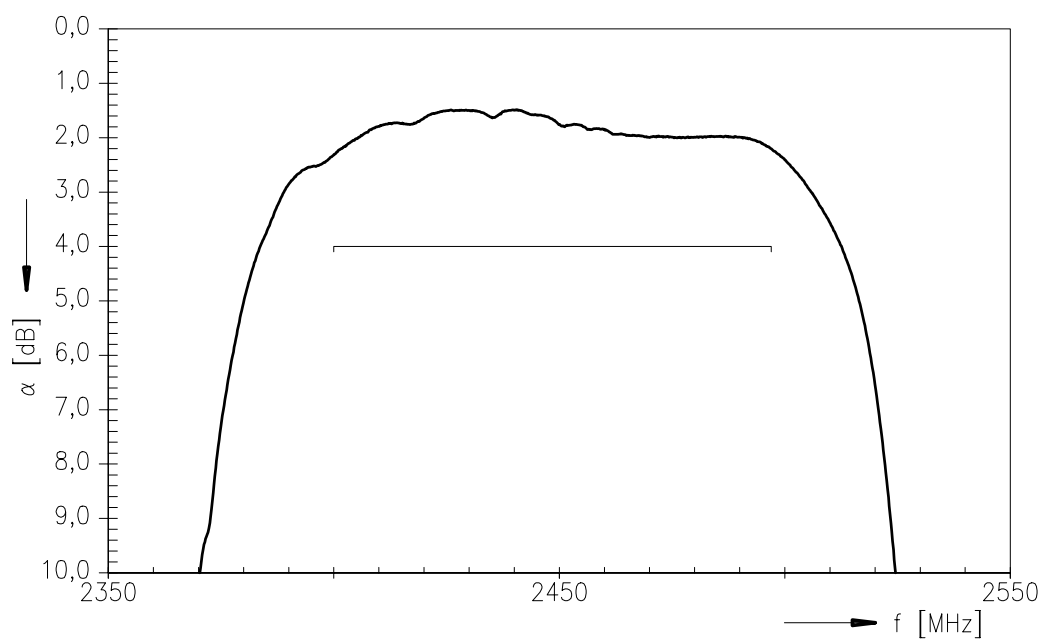
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Transfer function



Transfer function (passband)





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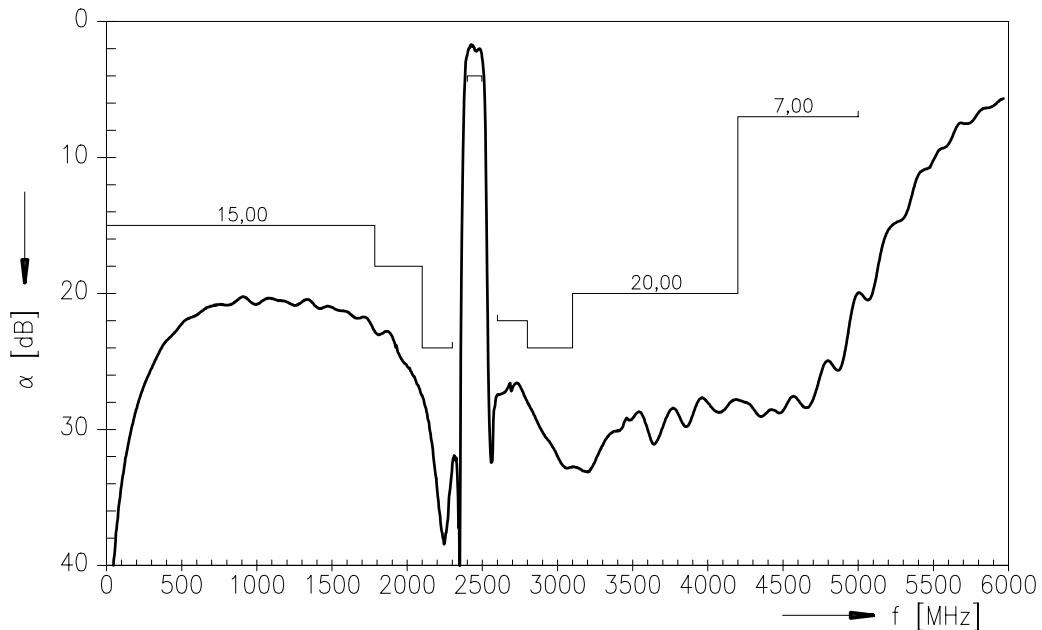
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Transfer function (wideband)



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