



SAW Components

Data Sheet B4132

Data Sheet

An abstract graphic featuring the word "EPCOS" in large, glowing, 3D letters. The letters are white with a blue glow and are positioned diagonally across the frame. In the background, there is a faint, stylized globe with circuitry patterns overlaid on it, all set against a dark, textured background.



SAW Components	B4132
Low-Loss Filter for Mobile Communication	836,5 MHz
Data Sheet	SMD

Characteristics

Operating temperature range:	$T = +25^{\circ}\text{C}$
Terminating source impedance:	$Z_S = 50\ \Omega$
Terminating load impedance:	$Z_L = 50\ \Omega$

			min.	typ.	max.	
Center frequency	f_c		—	836,5	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	824,0 ... 849,0 MHz		—	2,7	3,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	824,0 ... 849,0 MHz		—	1,7	2,0	dB
VSWR						
	824,0 ... 849,0 MHz		—	1,78	1,92	
Attenuation	α					
	0,0 ... 750,0 MHz		30,0	34,0	—	dB
	750,0 ... 800,0 MHz		25,0	31,0	—	dB
	869,0 ... 894,0 MHz		40,0	44,0	—	dB
	894,0 ... 1004,0 MHz		36,0	40,0	—	dB
	1004,0 ... 1030,0 MHz		38,0	40,0	—	dB
	1030,0 ... 1209,0 MHz		36,0	39,0	—	dB
	1209,0 ... 1700,0 MHz		20,0	30,0	—	dB
	1700,0 ... 2200,0 MHz		15,0	22,0	—	dB



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Low-Loss Filter for Mobile Communication

836,5 MHz

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Characteristics

Operating temperature range: $T = -30$ to $+85^{\circ}\text{C}$
Terminating source impedance: $Z_S = 50\ \Omega$
Terminating load impedance: $Z_L = 50\ \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	836,5	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$				
824,0 ... 849,0 MHz		—	3,0	3,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
824,0 ... 849,0 MHz		—	2,0	2,5	dB
VSWR					
824,0 ... 849,0 MHz		—	1,78	1,92	
Attenuation	α				
0,0 ... 750,0 MHz		30,0	34,0	—	dB
750,0 ... 800,0 MHz		25,0	31,0	—	dB
869,0 ... 894,0 MHz		40,0	43,0	—	dB
894,0 ... 1004,0 MHz		36,0	40,0	—	dB
1004,0 ... 1030,0 MHz		38,0	40,0	—	dB
1030,0 ... 1209,0 MHz		36,0	39,0	—	dB
1209,0 ... 1700,0 MHz		20,0	30,0	—	dB
1700,0 ... 2200,0 MHz		15,0	22,0	—	dB



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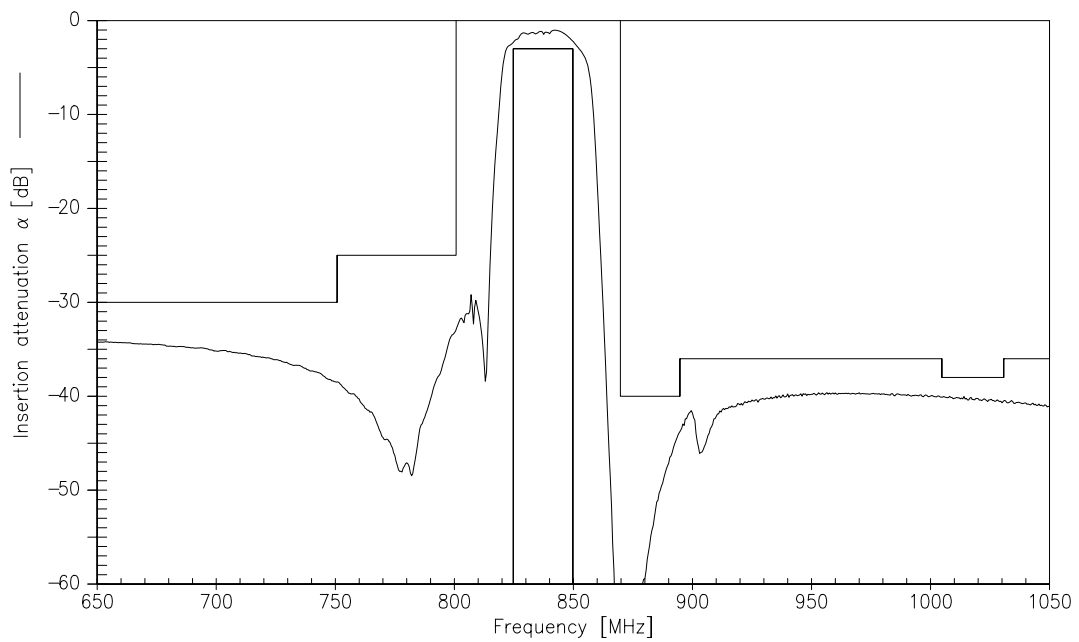
Low-Loss Filter for Mobile Communication

836,5 MHz

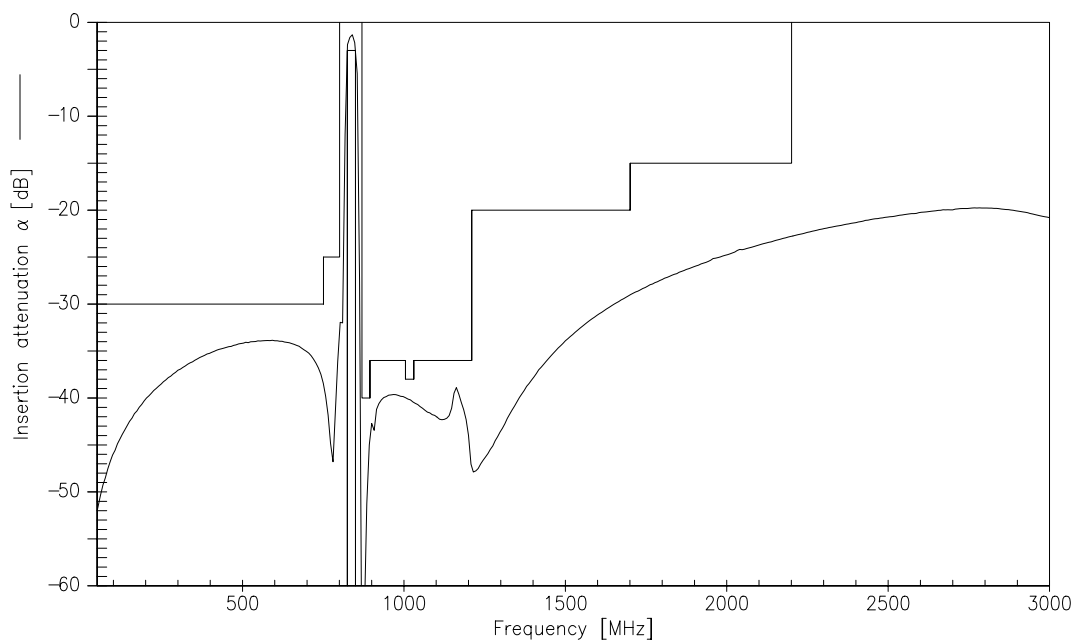
Data Sheet



Transfer function



Transfer function (wideband)





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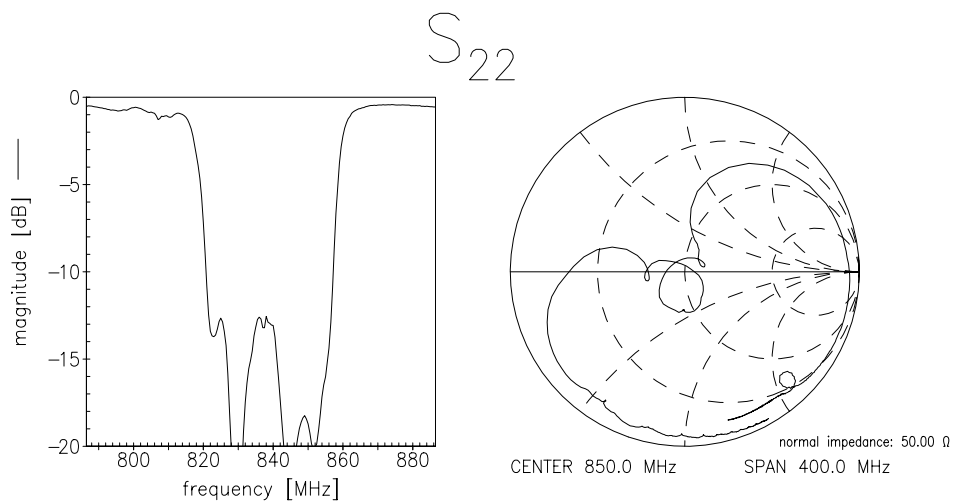
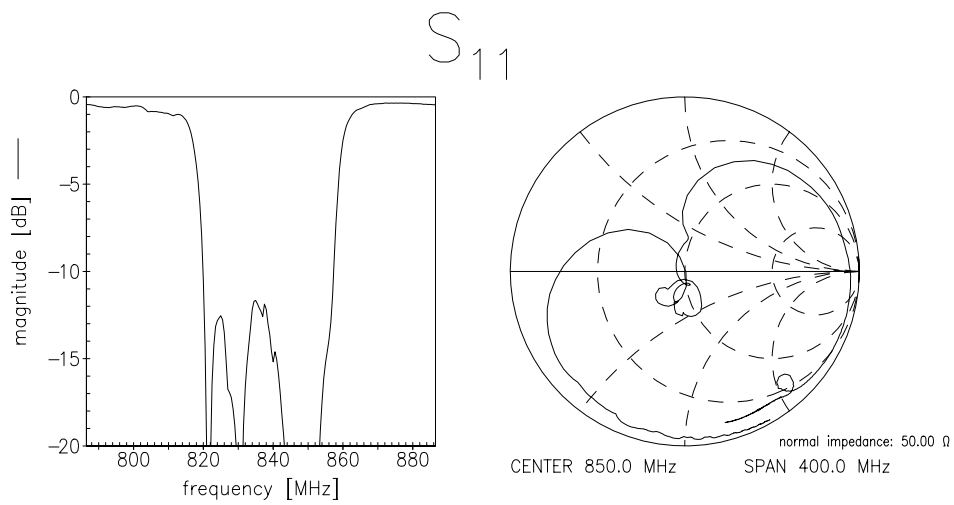
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Reflection functions





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