



SAW Components

Data Sheet B4125

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 and some circuitry patterns, all in a dark, monochromatic color scheme.



SAW Components

B4125

Low-Loss Filter for Mobile Communication

881,50 MHz

Data Sheet



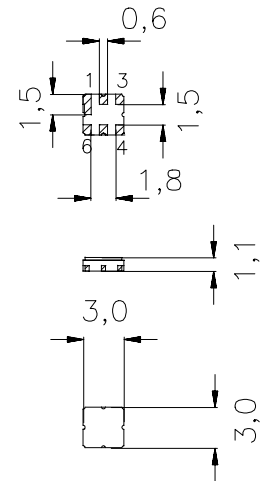
Ceramic package DCC6C

Features

- Low-loss RF filter for AMPS mobile telephone system, receive path
- Low amplitude ripple
- Usable passband 25 MHz
- Ceramic package for Surface Mounted Technology (SMT)

Terminals

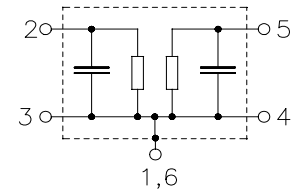
- Ni, gold-plated



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
B4125	B39881-B4125-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 30 / + 85	°C	
Storage temperature range	T_{stg}	- 40 / + 85	°C	
DC voltage	V_{DC}	3	V	
Input power max.	P_{IN}	6	dBm	source impedance 50 Ω



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Characteristics

Operating temperature range: $T = -30$ to $+85$ °C
Terminating source impedance: $Z_S = 50 \Omega$
Terminating load impedance: $Z_L = 50 \Omega$

			min.	typ.	max.	
Center frequency	f_C		—	881,5	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	869,0 ... 894,0 MHz		—	2,6	3,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	869,0 ... 894,0 MHz		—	1,1	1,5	dB
VSWR						
	869,0 ... 894,0 MHz		—	1,5	1,6	
Attenuation	α					
	0,0 ... 824,0 MHz		35,0	50,0	—	dB
	824,0 ... 849,0 MHz		35,0	45,0	—	dB
	970,0 ... 997,0 MHz		35,0	60,0	—	dB
	997,0 ... 1150,0 MHz		40,0	60,0	—	dB
	1150,0 ... 1500,0 MHz		30,0	50,0	—	dB
	1500,0 ... 2000,0 MHz		25,0	38,0	—	dB
	2000,0 ... 3000,0 MHz		20,0	25,0	—	dB



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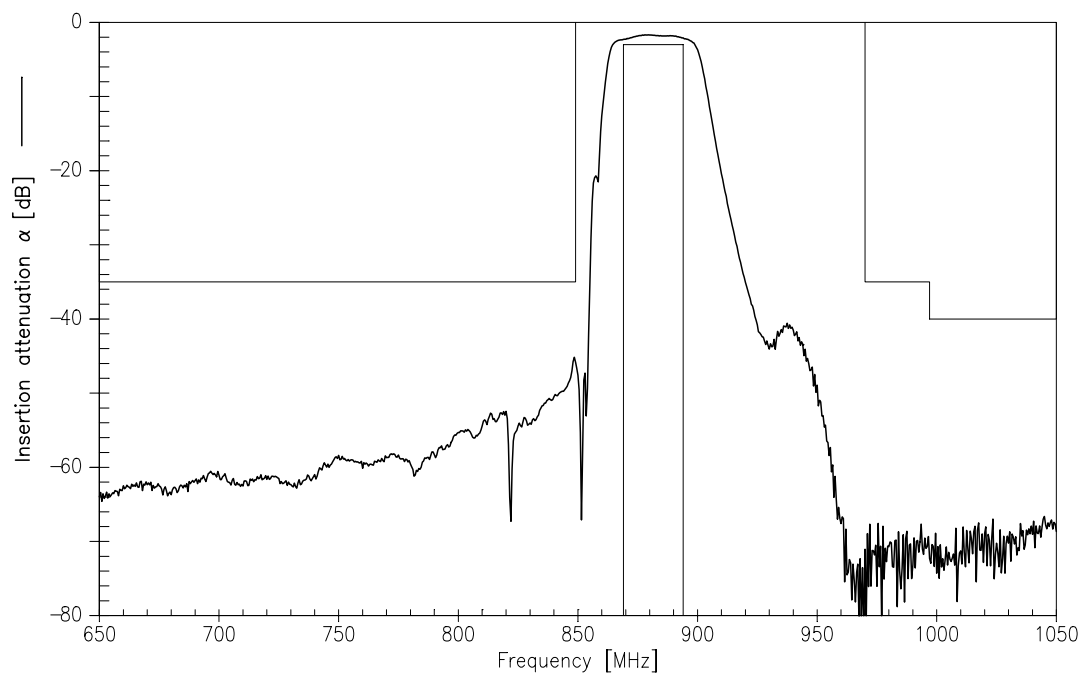
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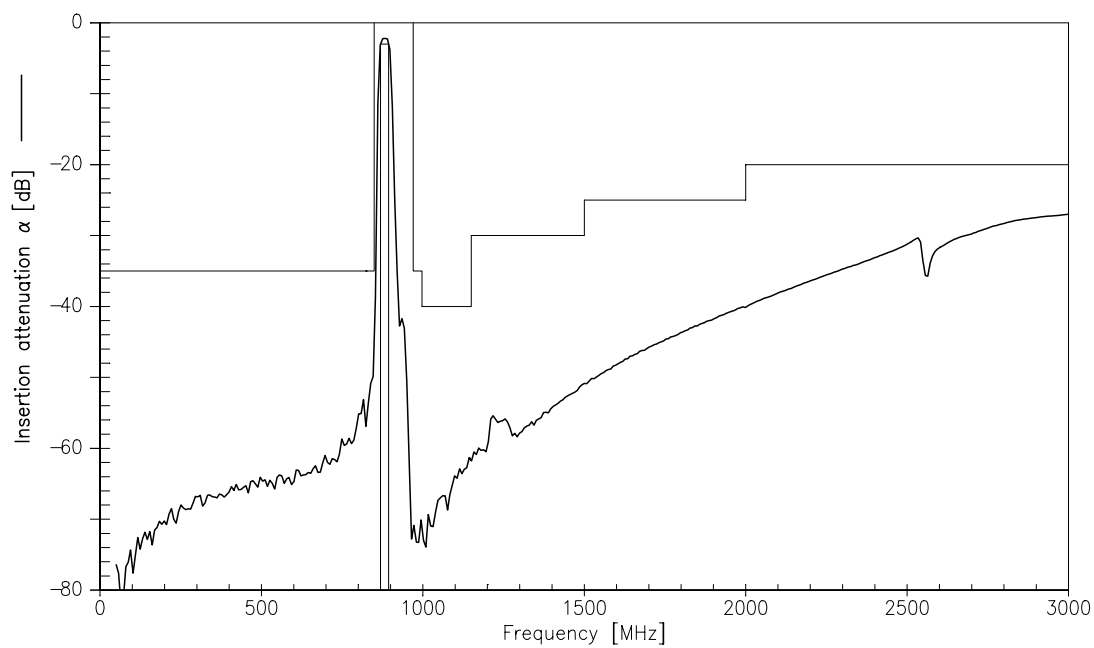
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Transfer function



Transfer function (wideband)





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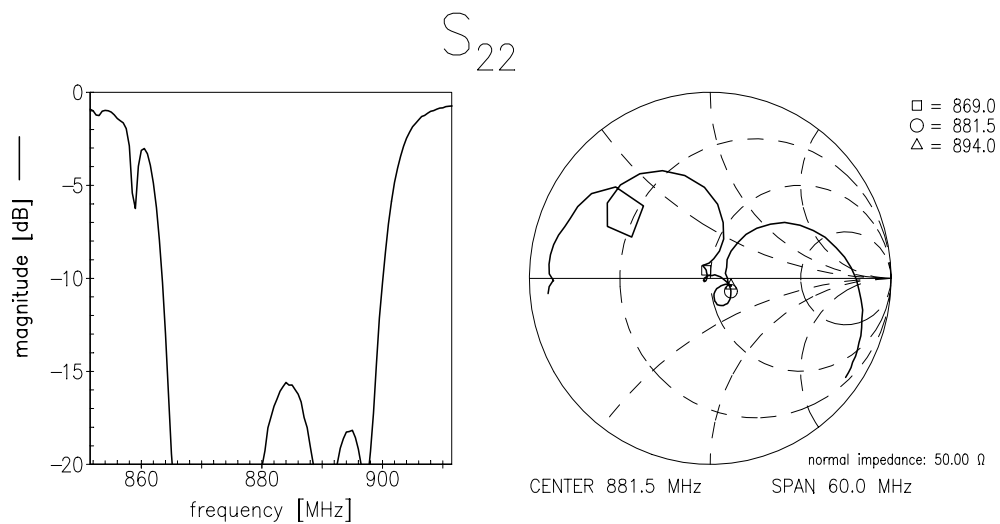
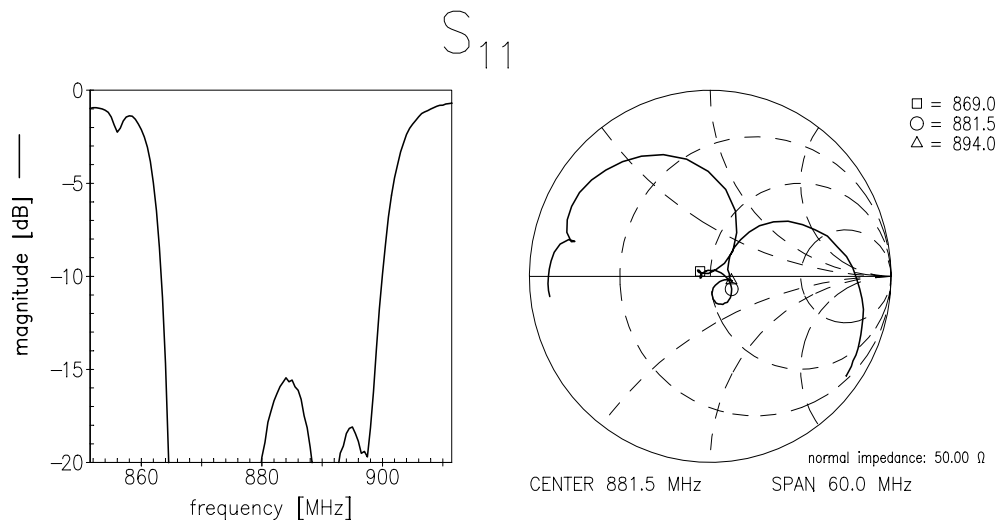
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Reflection functions





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