



SAW Components

Data Sheet B4125

Data Sheet

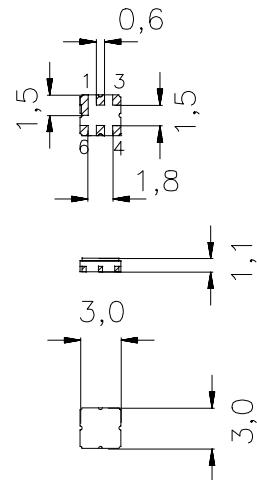


**SAW Components****B4125****Low-Loss Filter for Mobile Communication****881,50 MHz****Data Sheet**Ceramic package **DCC6C****Features**

- 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

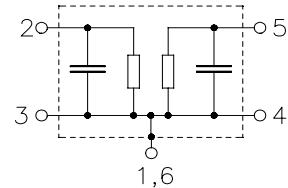
- Ni, gold-plated



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

**SAW Components****B4125****Low-Loss Filter for Mobile Communication****881,50 MHz****Data Sheet****Characteristics**Operating temperature range: $T = -30$ to $+85$ °CTerminating 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		α_{\max}	—	2,6	3,0	dB
	869,0 ... 894,0	MHz	—	—	—	
Amplitude ripple (p-p)		$\Delta\alpha$	—	1,1	1,5	dB
	869,0 ... 894,0	MHz	—	—	—	
VSWR			—	1,5	1,6	
	869,0 ... 894,0	MHz	—	—	—	
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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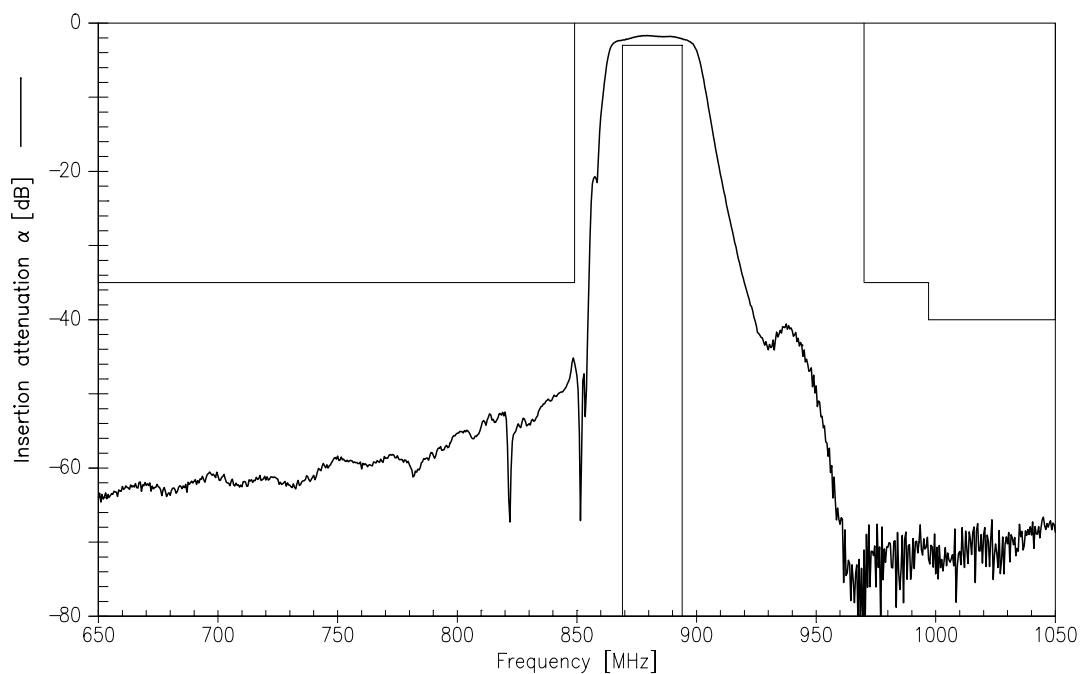
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881,50 MHz

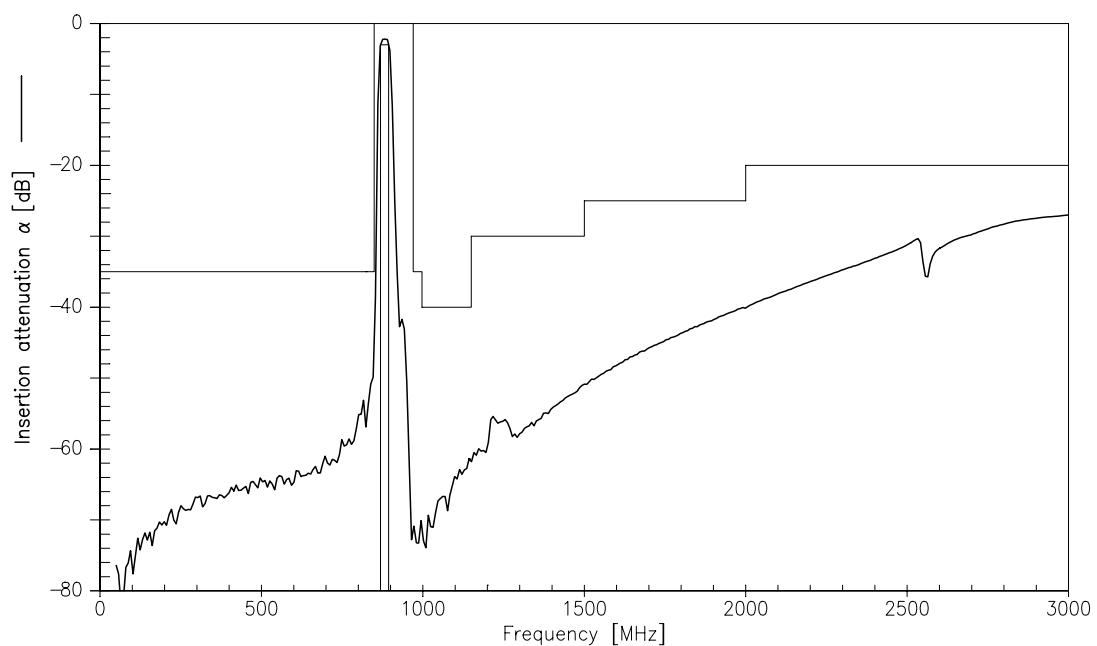
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Transfer function



Transfer function (wideband)





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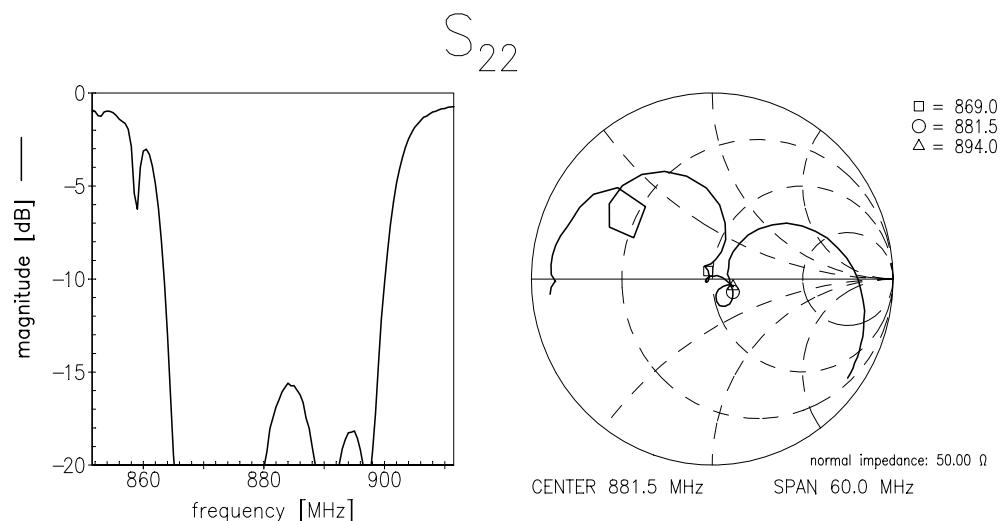
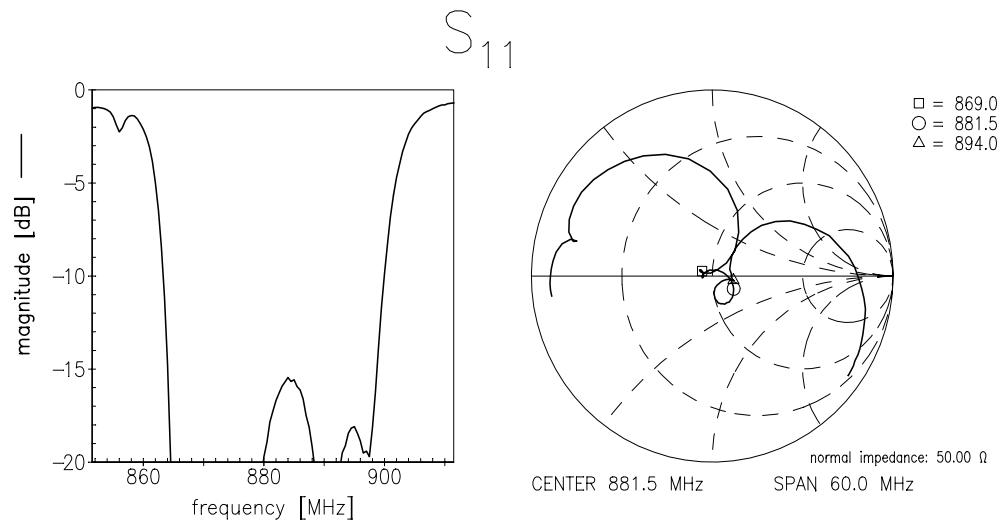
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Reflection functions





SAW Components	B4125
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Data Sheet	The logo for EMD (EPCOS Micro Devices), consisting of the letters "EMD" in a stylized, blocky font.

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Surface Acoustic Wave Components Division, SAW MC WT

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This brochure replaces the previous edition.

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