



SAW Components

Data Sheet B4062

Data Sheet

An abstract graphic featuring the word "EPCOS" in large, glowing, 3D letters. The letters are white with a bright, circular highlight in the center of each, giving them a three-dimensional appearance. They are set against a dark, textured background that includes a faint, glowing globe and circuitry patterns, suggesting a high-tech or global theme.



SAW Components

B4062

Low-Loss Duplexer for Mobile Communication

926,25 / 903,75 MHz

Data Sheet



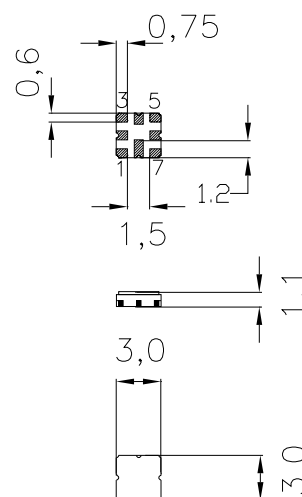
Ceramic package QCC8D

Features

- Compact RF duplexer for cordless telephone ISM
- No matching network required for operation at 50 Ω
- Ceramic package for **Surface Mounted Technology (SMT)**

Terminals

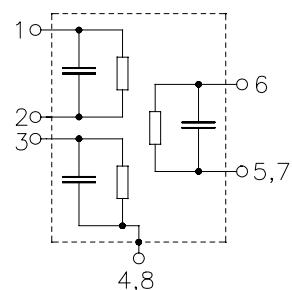
- Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

6	Ant
1	Tx
3	Rx
5, 7	Ant - ground
2	Tx - ground
4, 8	Case / Rx - ground



Type	Ordering code	Marking and Package according to	Packing according to
B4062	B39931-B4062-U810	C61157-A7-A72-X-27	F61074-V8101-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 10/+ 55	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	- 40/+ 85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	5	V	
Input power	P_{IN}	5	dBm	



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Characteristics Tx - Ant

Operable temperature range $T_A = -10$ to $55\text{ }^{\circ}\text{C}$

Ant term. impedance $Z_{Ant} = 50\text{ }\Omega$

Port 1 term. impedance $Z_{Port\ 1} = 50\text{ }\Omega$

Port 2 term. impedance $Z_{Port\ 2} = 50\text{ }\Omega$

		min.	typ.	max.	
Center frequency	f_c	—	903,75	—	MHz
Maximum insertion attenuation	α_{max}	—	2,6	3,5	dB
	901,90 ... 905,60 MHz				
Amplitude ripple (p-p)	$\Delta\alpha$	—	0,5	1,5	dB
	901,90 ... 905,60 MHz				
Absolute attenuation	α				
	450,00 ... 850,00 MHz	30	35	—	dB
	850,00 ... 870,00 MHz	28	34	—	dB
	870,00 ... 890,00 MHz	10	16	—	dB
	924,90 ... 927,60 MHz	28	34	—	dB
	960,00 ... 1000,00 MHz	25	32	—	dB
	1000,00 ... 2500,00 MHz	30	35	—	dB
	2500,00 ... 3500,00 MHz	20	26	—	dB



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Characteristics Rx - Ant

Operable temperature range $T_A = -10$ to $55\text{ }^{\circ}\text{C}$

Ant term. impedance $Z_{Ant} = 50\text{ }\Omega$

Port 1 term. impedance $Z_{Port\ 1} = 50\text{ }\Omega$

Port 2 term. impedance $Z_{Port\ 2} = 50\text{ }\Omega$

		min.	typ.	max.	
Center frequency	f_c	—	926,25	—	MHz
Maximum insertion attenuation	α_{max}	—	3,2	4,0	dB
	924,90 ... 927,60 MHz				
Amplitude ripple (p-p)	$\Delta\alpha$	—	0,2	1,5	dB
	924,90 ... 927,60 MHz				
Absolute attenuation	α				
	450,00 ... 884,80 MHz	45	55	—	dB
	884,80 ... 903,50 MHz	35	41	—	dB
	903,50 ... 906,20 MHz	37	41	—	dB
	906,20 ... 916,90 MHz	7	30	—	dB
	935,60 ... 946,30 MHz	6	18	—	dB
	946,30 ... 967,70 MHz	40	49	—	dB
	967,70 ... 1100,00 MHz	45	56	—	dB
	1100,00 ... 2000,00 MHz	40	48	—	dB
	2000,00 ... 2500,00 MHz	25	32	—	dB



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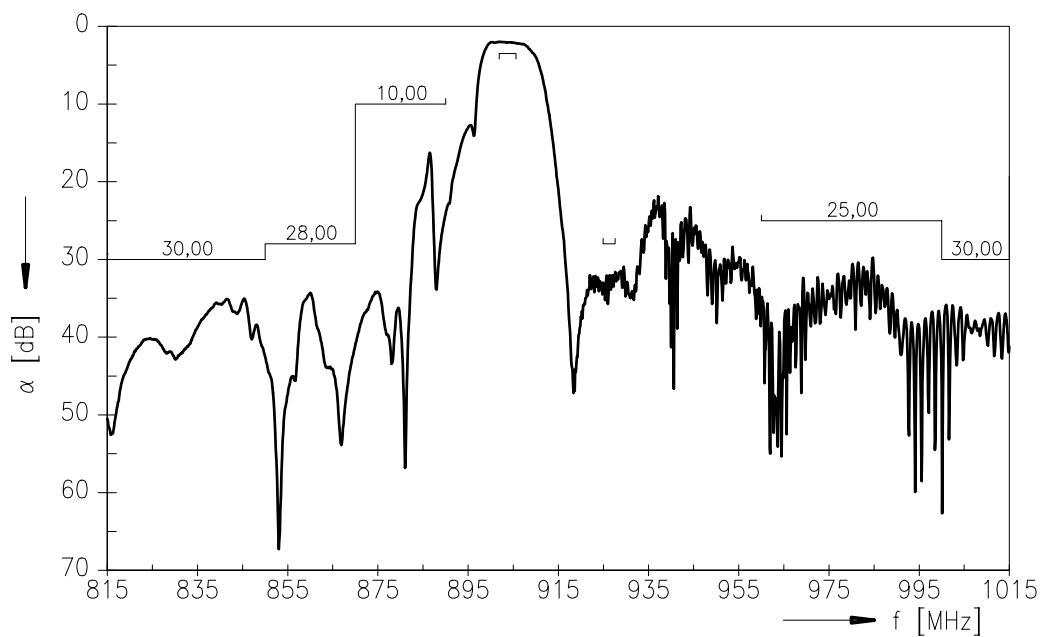
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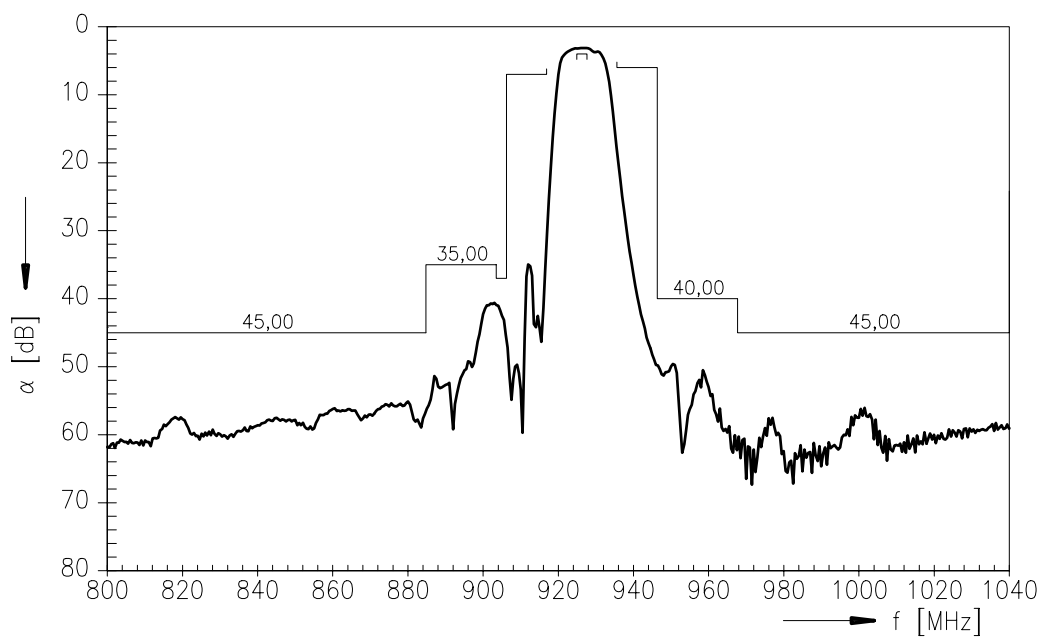
Data Sheet



Frequency response Tx :



Frequency response Rx :





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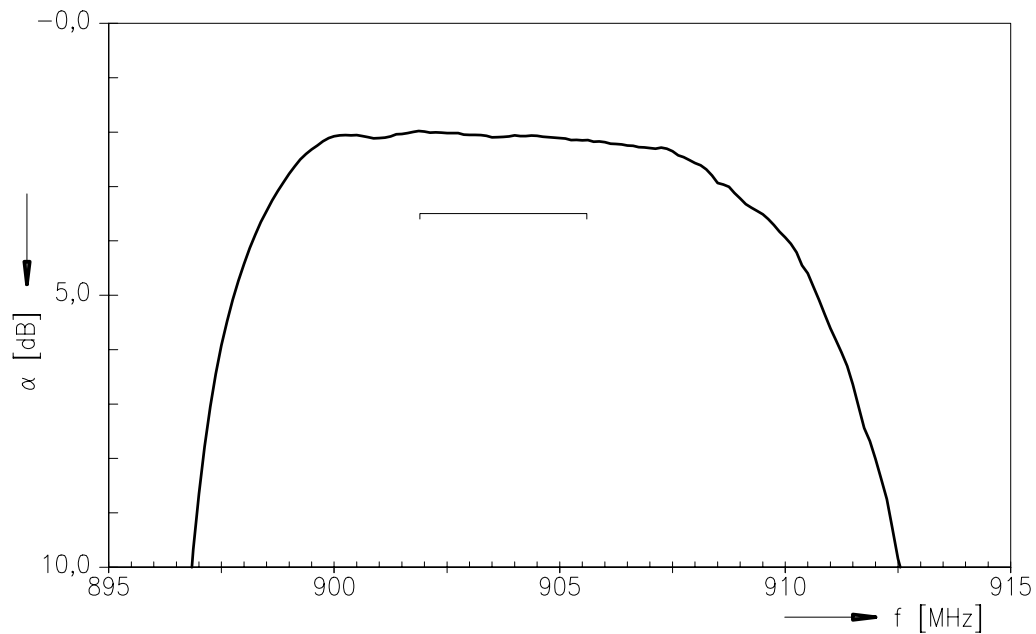
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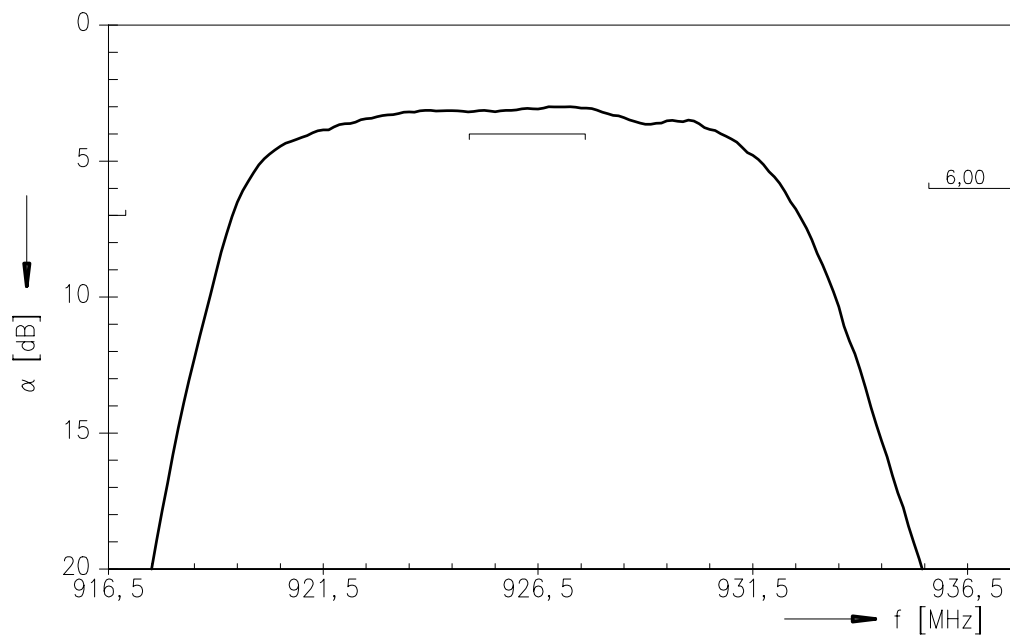
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Frequency response Tx : (passband)



Frequency response Rx : (passband)





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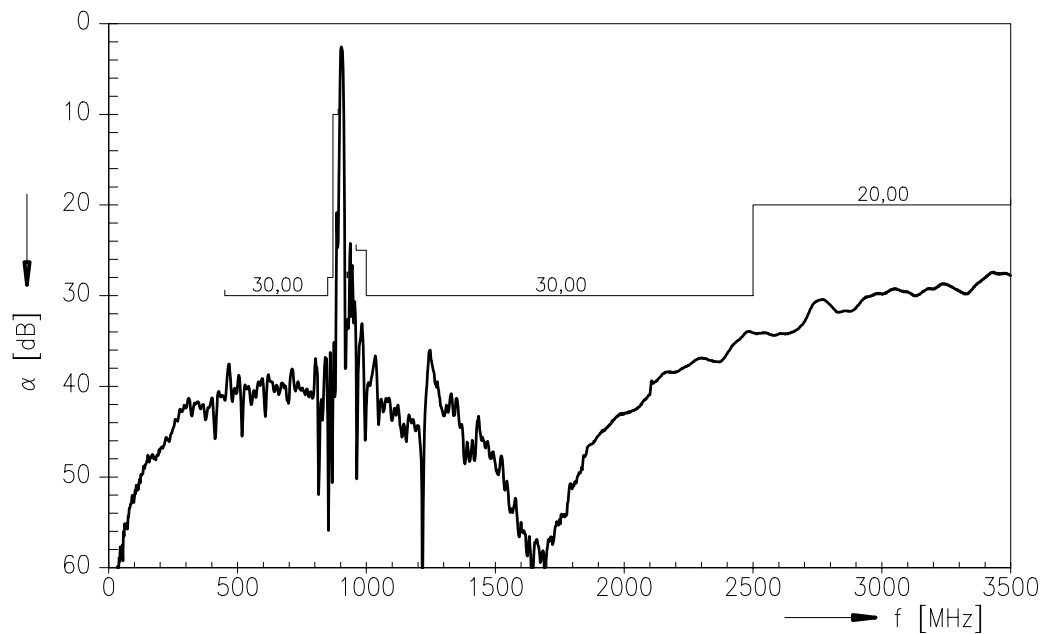
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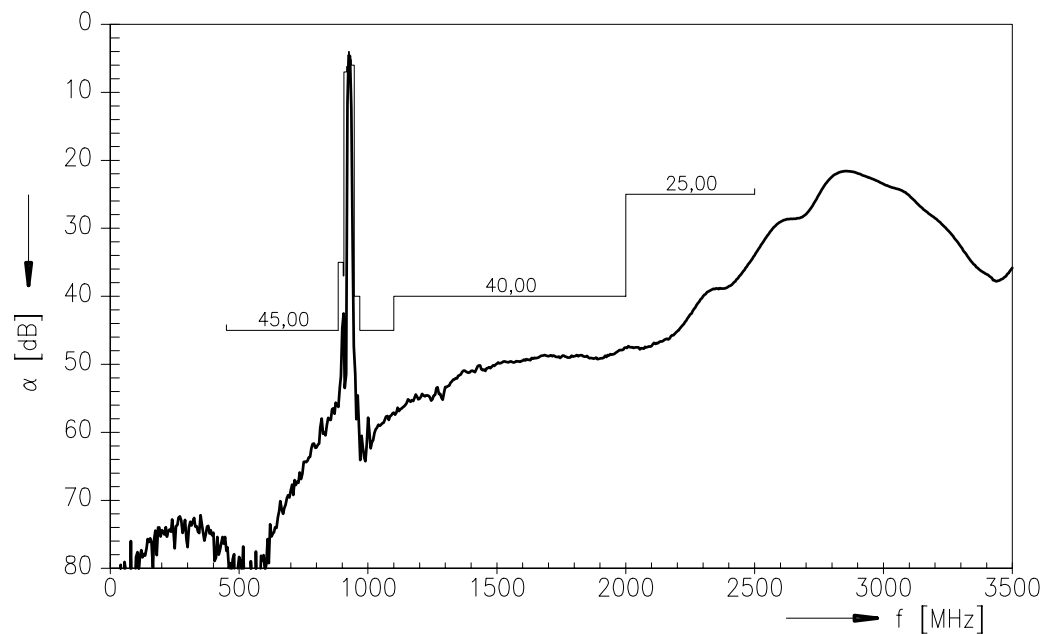
Data Sheet



Frequency response Tx : (wideband)

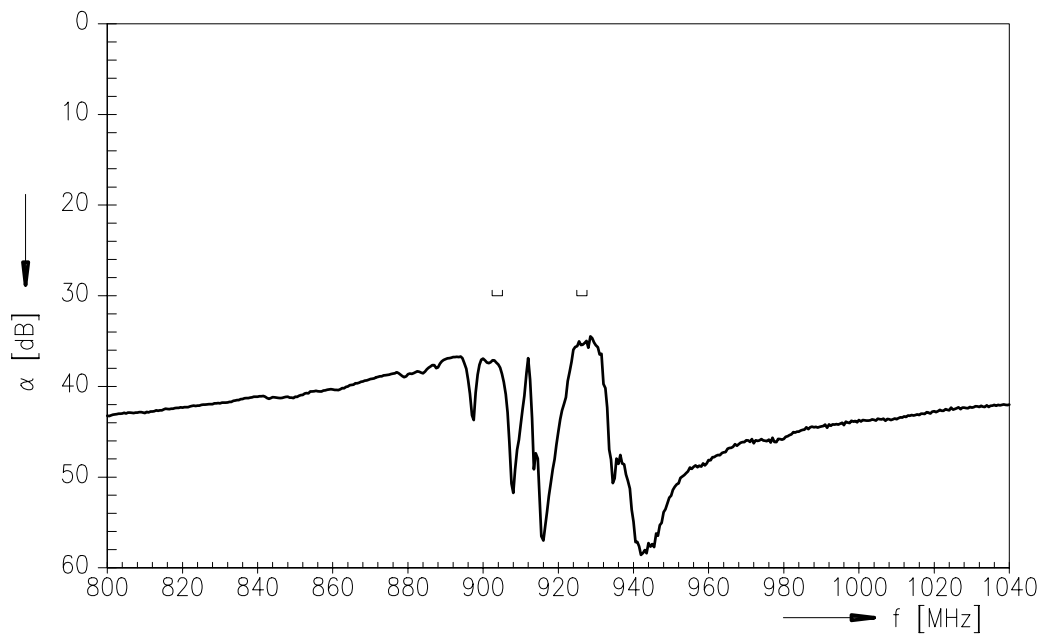


Frequency response Rx : (wideband)



**SAW Components****B4062****Low-Loss Duplexer for Mobile Communication****926,25 / 903,75 MHz****Data Sheet****Isolation between Tx and Rx**Operating temperature range $T = -10$ to $55\text{ }^{\circ}\text{C}$ Ant term. impedance $Z_{\text{Ant}} = 50\text{ }\Omega$ Port 1 term. impedance $Z_{\text{Port 1}} = 50\text{ }\Omega$ Port 2 term. impedance $Z_{\text{Port 2}} = 50\text{ }\Omega$

		min.	typ.	max.	
Absolute attenuation	α				
	924,90 ... 927,60 MHz	30	35	—	dB
	901,90 ... 905,60 MHz	30	37	—	dB

Isolation between Tx and Rx :



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Low-Loss Duplexer for Mobile Communication	926,25 / 903,75 MHz
Data Sheet	SMD

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