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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SAW filters for infrastructure systems

Series/Type: B4018

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39931B4018Z810		2013-03-08	2013-12-31	2014-03-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

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SAW Components
Low-Loss Duplexer for Mobile Communication

B4018
926,25 MHz
903,75 MHz

Data Sheet

Characteristics

Operable temperature range	T	=	0 to 55 °C
Ant term. impedance	Z _{Ant}	=	50 Ω
Rx term. impedance	Z _{Rx}	=	50 Ω
Tx term. impedance	Z _{Tx}	=	50 Ω

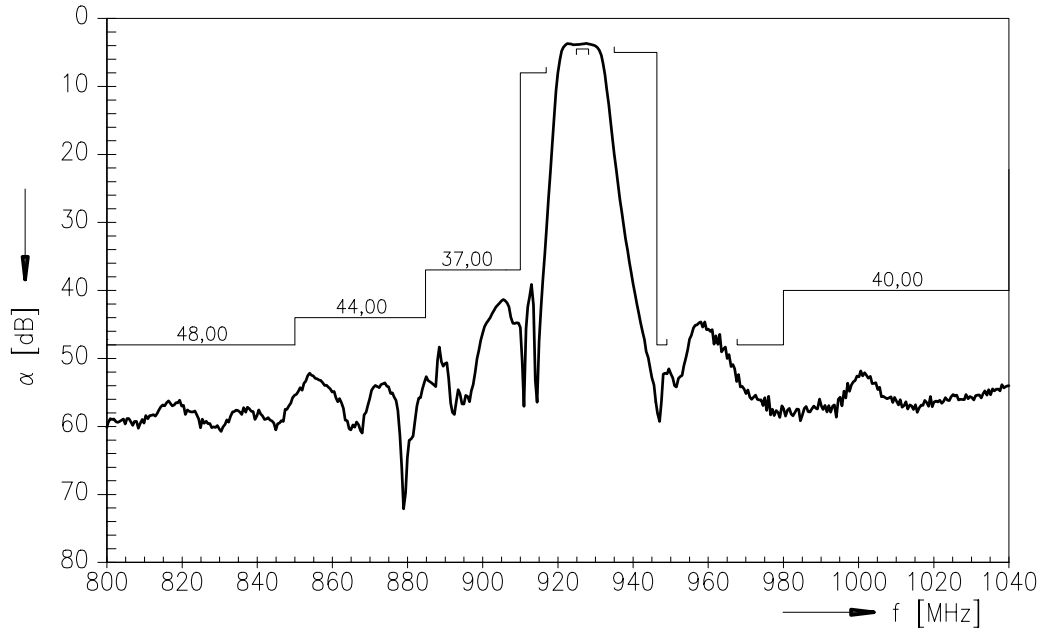
		min.	typ.	max.	
Center frequency Rx	f_c	—	926,25	—	MHz
Center frequency Tx	f_c	—	903,75	—	MHz
Maximum insertion attenuation	α_{max}				
Rx: 924,90 ... 928,15 MHz		—	3,6	4,5	dB
Tx: 901,45 ... 905,10 MHz		—	2,8	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
Rx: 924,90 ... 928,15 MHz		—	0,4	2,0	dB
Tx: 901,45 ... 905,10 MHz		—	0,5	2,0	dB
Absolute attenuation Rx	α				
450,00 ... 850,00 MHz		48	54	—	dB
850,00 ... 884,80 MHz		44	51	—	dB
884,80 ... 910,00 MHz		37	41	—	dB
910,00 ... 916,90 MHz		8	20	—	dB
935,00 ... 946,30 MHz		5	15	—	dB
946,30 ... 949,00 MHz		48	52	—	dB
967,70 ... 980,00 MHz		48	52	—	dB
980,00 ... 1350,00 MHz		40	46	—	dB
1350,00 ... 1800,00 MHz		23	33	—	dB
Absolute attenuation Tx	α				
450,00 ... 859,60 MHz		49	55	—	dB
859,60 ... 862,30 MHz		47	60	—	dB
862,30 ... 883,70 MHz		28	33	—	dB
883,70 ... 894,40 MHz		5	10	—	dB
913,15 ... 923,80 MHz		5	14	—	dB
923,80 ... 927,60 MHz		38	48	—	dB
945,20 ... 970,00 MHz		22	32	—	dB
970,00 ... 1050,00 MHz		48	57	—	dB
1050,00 ... 1350,00 MHz		40	47	—	dB
1350,00 ... 1800,00 MHz		21	27	—	dB
Absolute attenuation Isolation	α				
Rx: 924,90 ... 928,15 MHz		37	45	—	dB
Tx: 901,45 ... 905,10 MHz		37	41	—	dB

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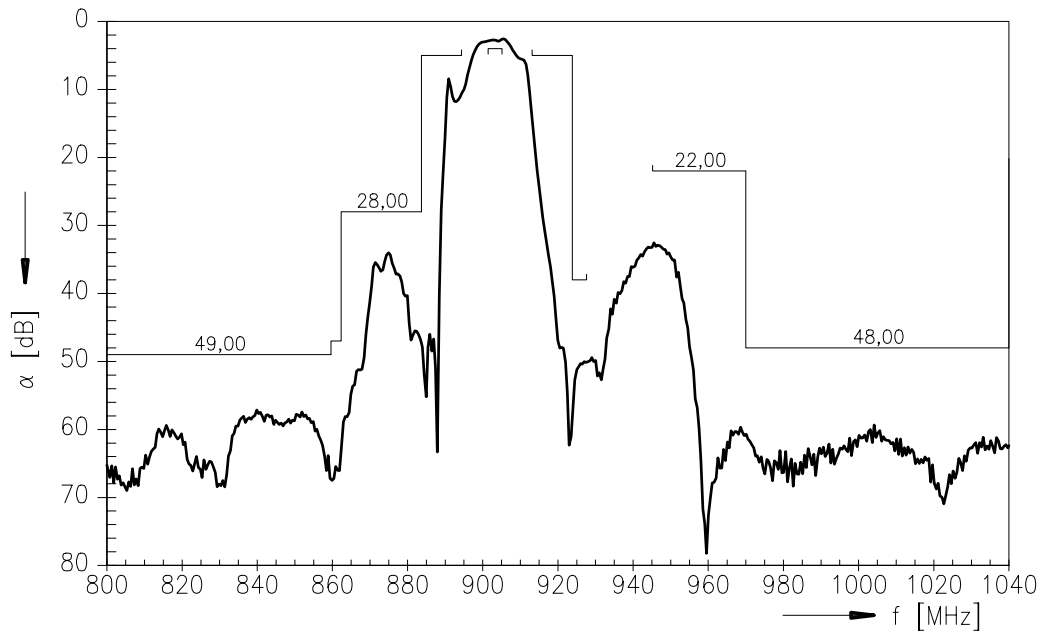
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Data Sheet

Frequency response (Ant -> Rx) :



Frequency response (Tx ->Ant) :

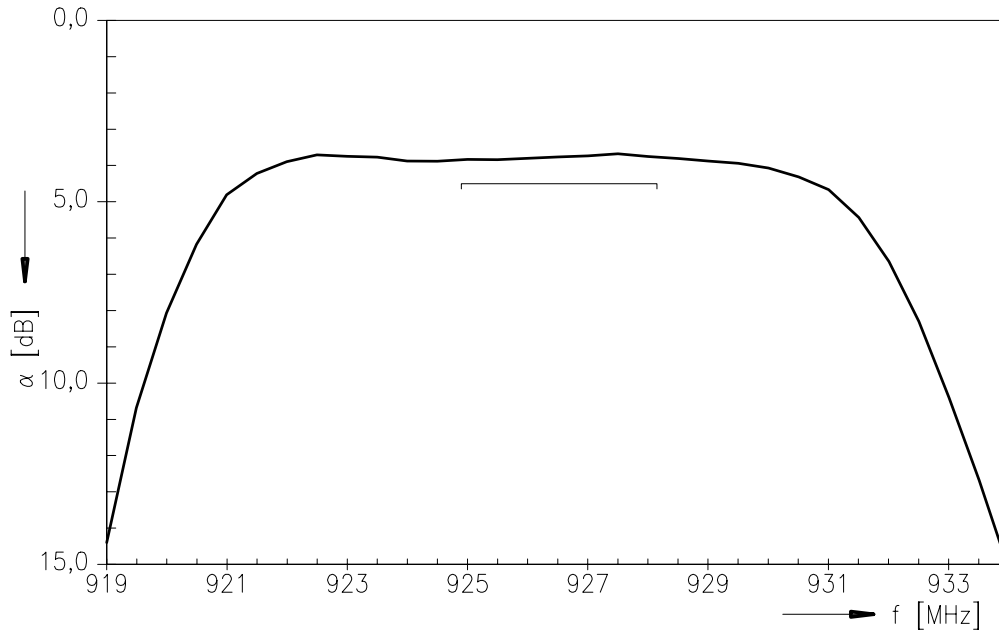


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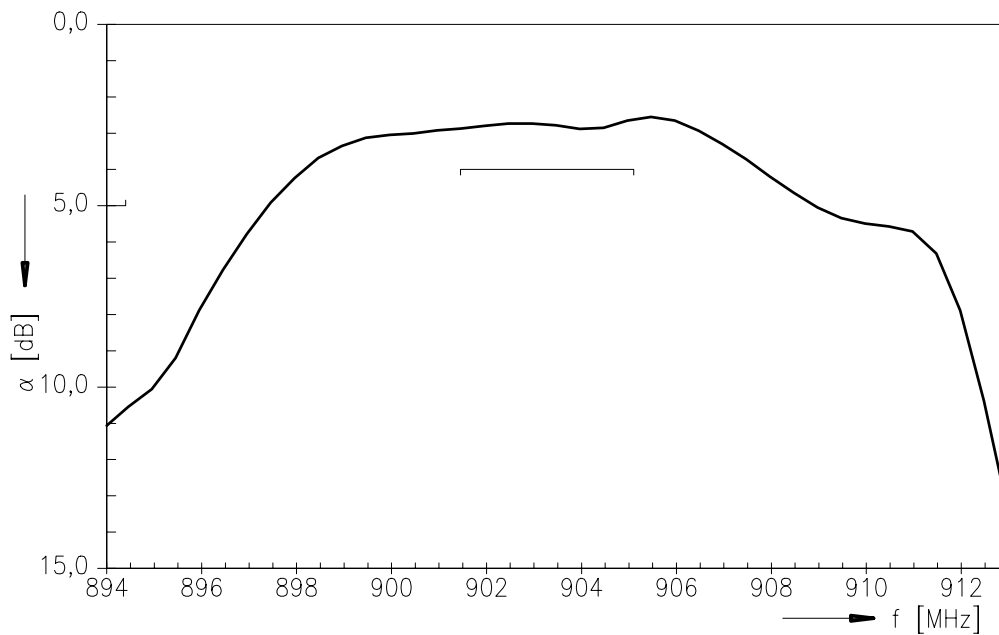
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Data Sheet

Frequency response (Ant -> Rx) : (passband)



Frequency response (Tx -> Ant) : (passband)

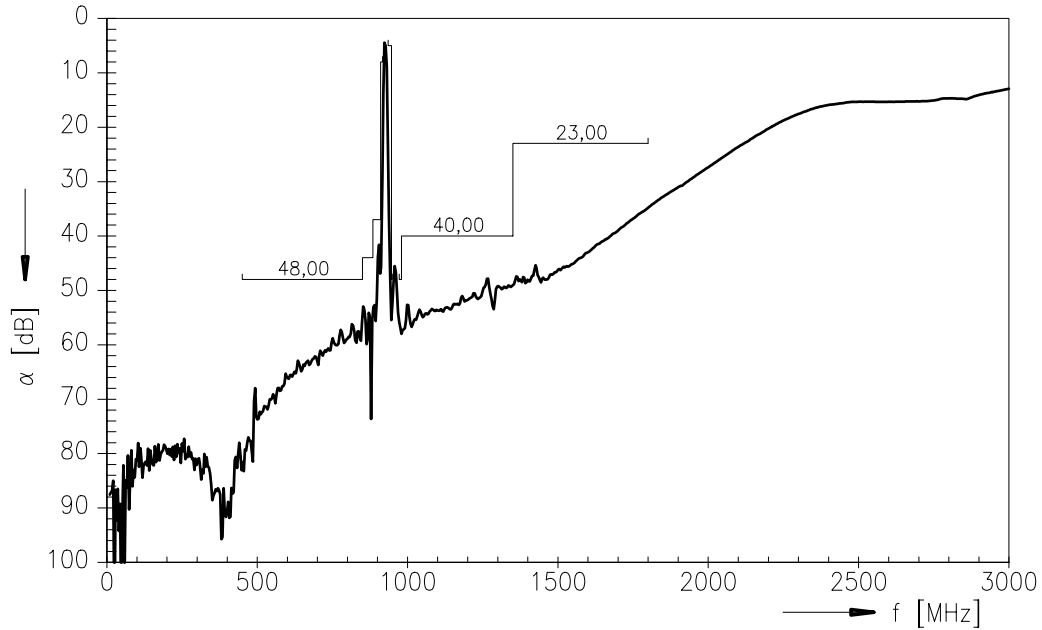


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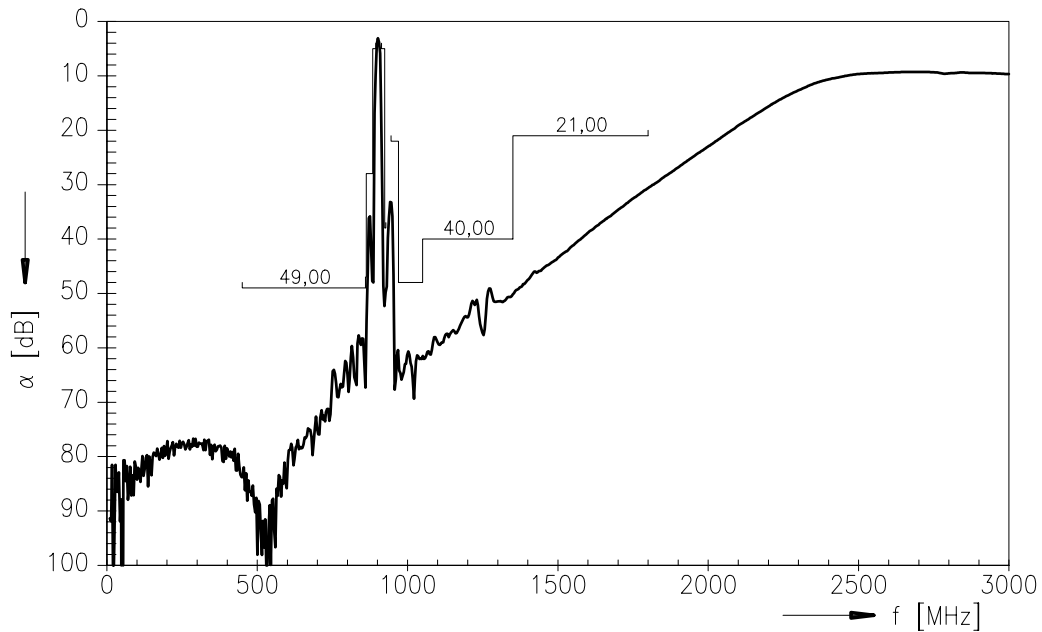
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Data Sheet

Frequency response (Ant -> Rx) : (wideband)



Frequency response (Tx -> Ant) : (wideband)



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Data Sheet

Isolation (Tx -> Rx) :

