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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.

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SAW filters for infrastructure systems

Series/Type: B4063

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39931B4063U810		2009-09-25	2009-12-31	2010-03-31

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.

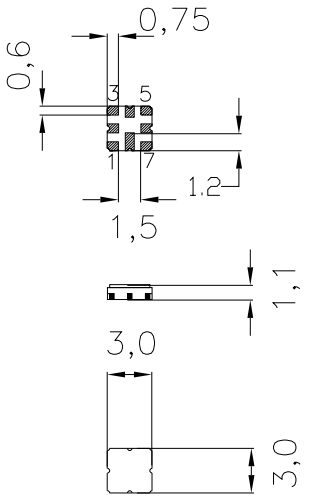
Ceramic package **QCC8D**

Features

- Compact RF duplexer for cordless telephone ISM
- No matching network required for operation at 50 Ω
- Ceramic package for **S**urface **M**ounted **T**echnology (**SMT**)

Terminals

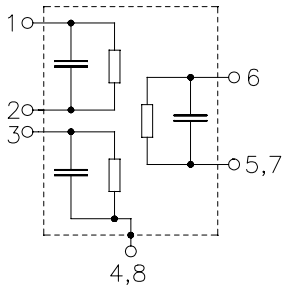
- Ni , gold-plated



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
B4063	B39931-B4063-U810	C61157-A7-A72-X-27	F61074-V8101-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

Operable temperature range	T	– 10/+ 55	˚C
Storage temperature range	T_{stg}	– 40/+ 85	˚C
DC voltage	V_{DC}	5	V
Input power	P_{IN}	5	dBm

Characteristics Tx - Ant

Operable temperature range T_A = –10 to 55 ˚C
Ant term. impedance Z_{Ant} = 50 Ω
Port 1 term. impedance $Z_{Port\ 1}$ = 50 Ω
Port 2 term. impedance $Z_{Port\ 2}$ = 50 Ω

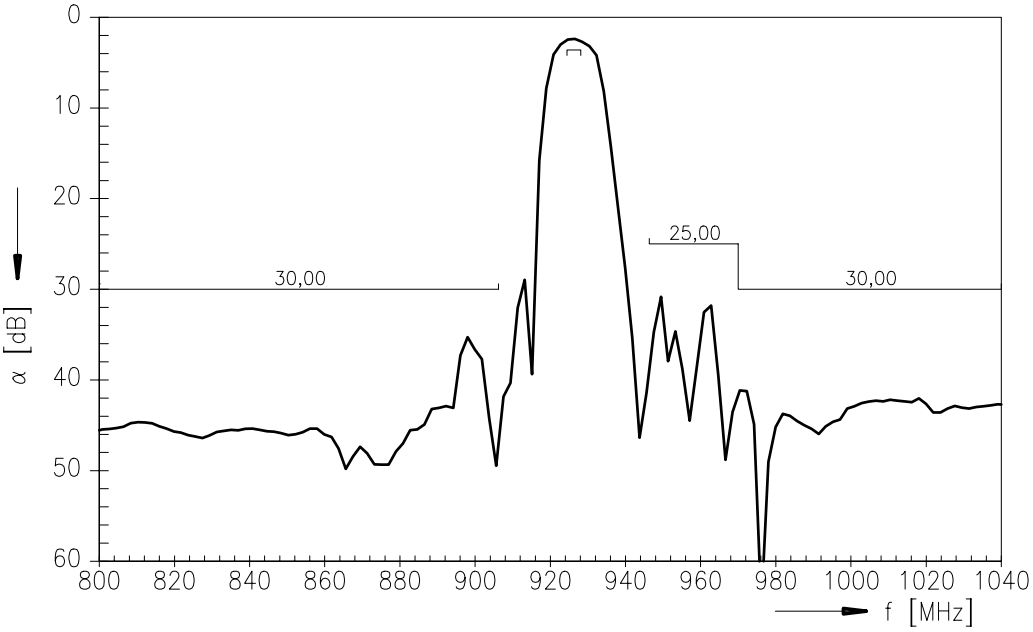
		min.	typ.	max.	
Center frequency	f_c	—	926,25	—	MHz
Maximum insertion attenuation	α_{max}				
924,40 ... 928,10 MHz		—	3,0	3,6	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
924,40 ... 928,10 MHz		—	0,4	1,5	dB
Absolute attenuation	α				
450,00 ... 906,20 MHz		30	34	—	dB
946,30 ... 970,00 MHz		25	31	—	dB
970,00 ... 3500,00 MHz		30	39	—	dB

Characteristics Rx - Ant

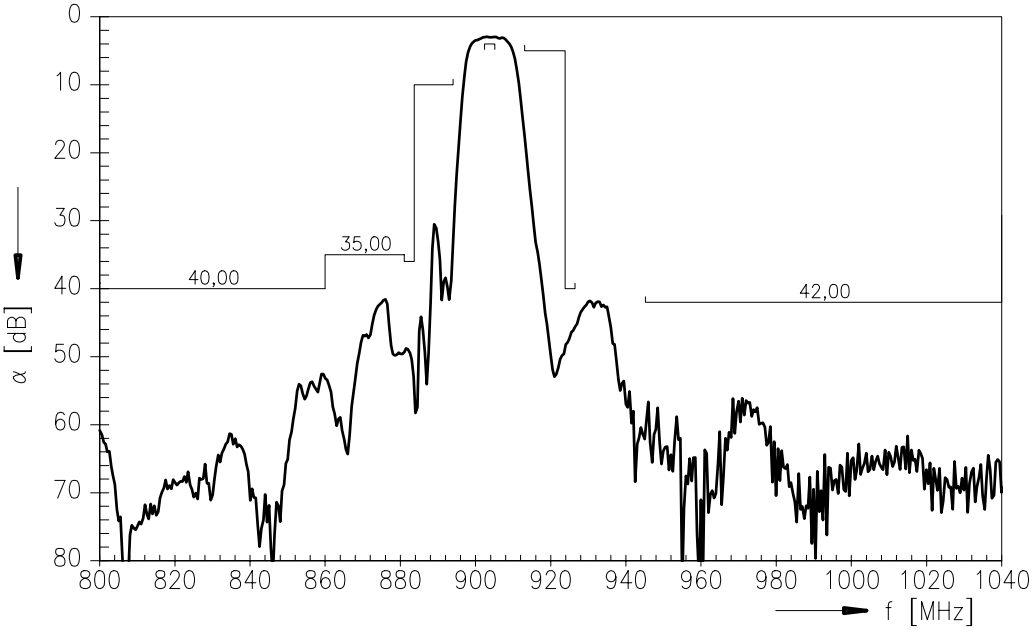
Operable temperature range T_A = –10 to 55 ˚C
Ant term. impedance Z_{Ant} = 50 Ω
Port 1 term. impedance $Z_{Port\ 1}$ = 50 Ω
Port 2 term. impedance $Z_{Port\ 2}$ = 50 Ω

		min.	typ.	max.	
Center frequency	f_c	—	903,75	—	MHz
Maximum insertion attenuation	α_{max}				
902,40 ... 905,10 MHz		—	3,1	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
902,40 ... 905,10 MHz		—	0,2	1,5	dB
Absolute attenuation	α				
450,00 ... 860,00 MHz		40	52	—	dB
860,00 ... 881,00 MHz		35	42	—	dB
881,00 ... 883,70 MHz		36	45	—	dB
883,70 ... 894,00 MHz		10	30	—	dB
913,10 ... 923,80 MHz		5	18	—	dB
923,80 ... 926,50 MHz		40	45	—	dB
945,20 ... 1600,00 MHz		42	48	—	dB
1600,00 ... 2000,00 MHz		30	35	—	dB

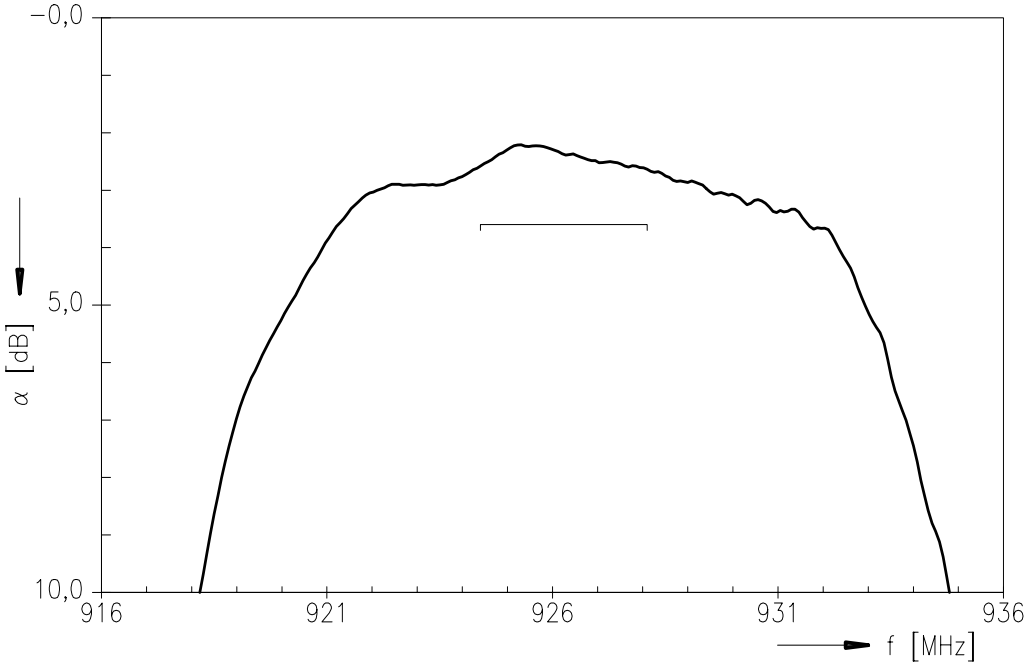
Frequency response Tx :



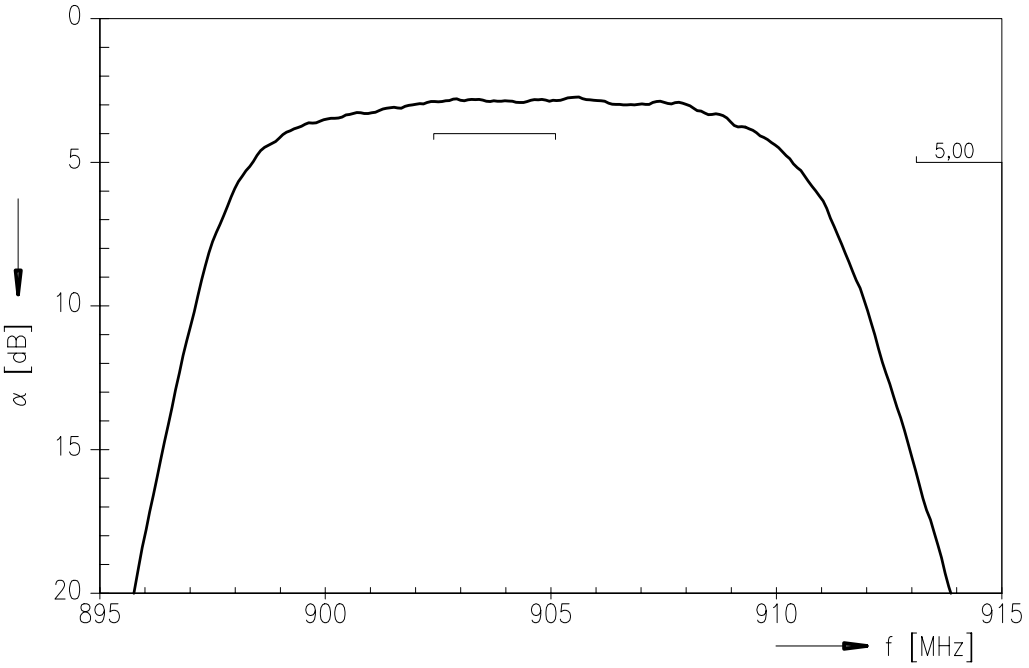
Frequency response Rx :



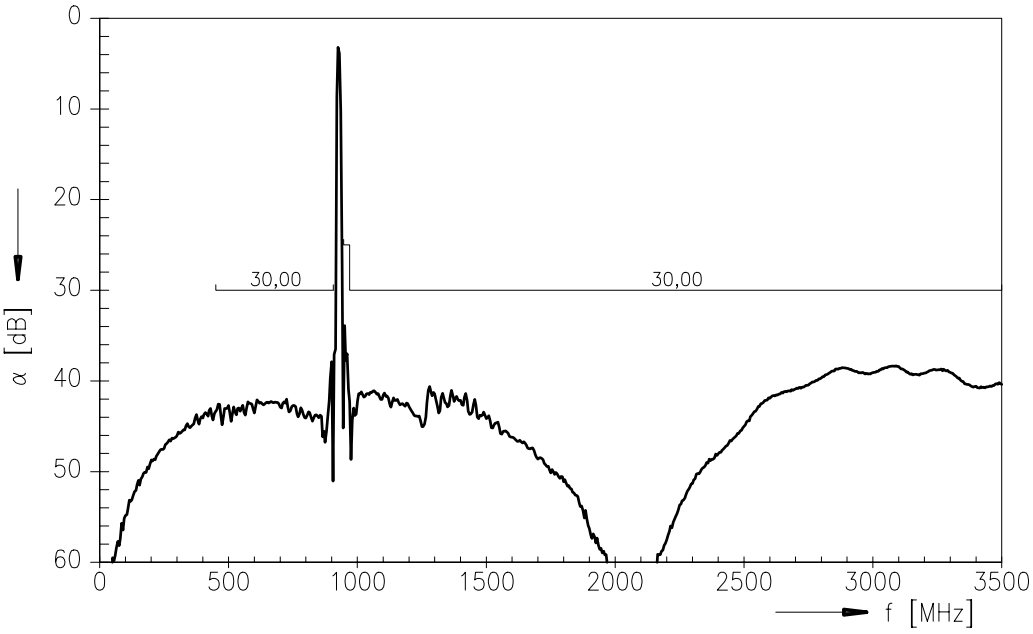
Frequency response Tx : (passband)



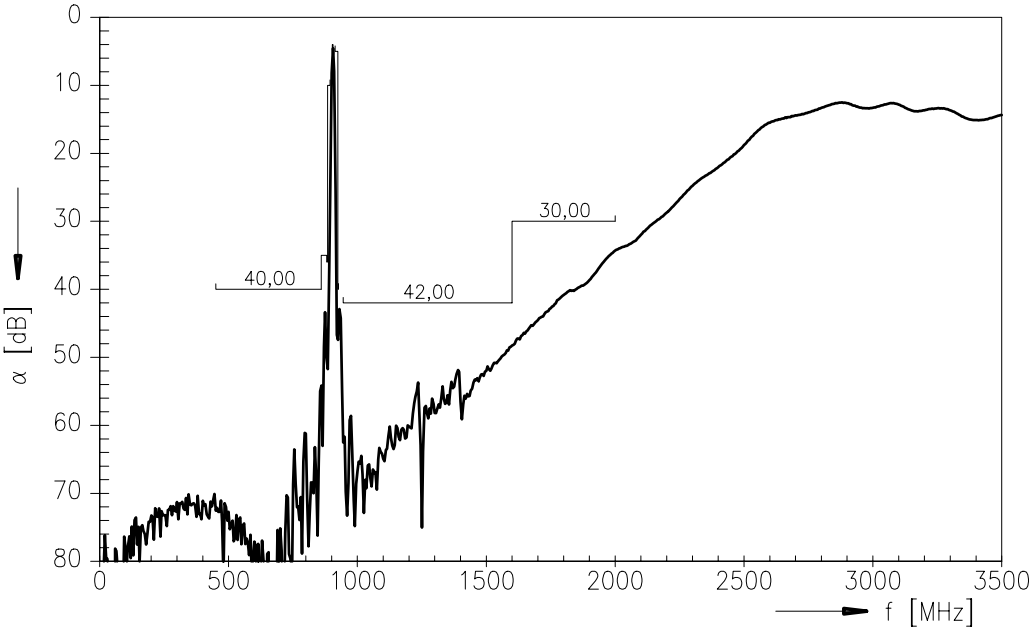
Frequency response Rx : (passband)



Frequency response Tx : (wideband)



Frequency response Rx : (wideband)

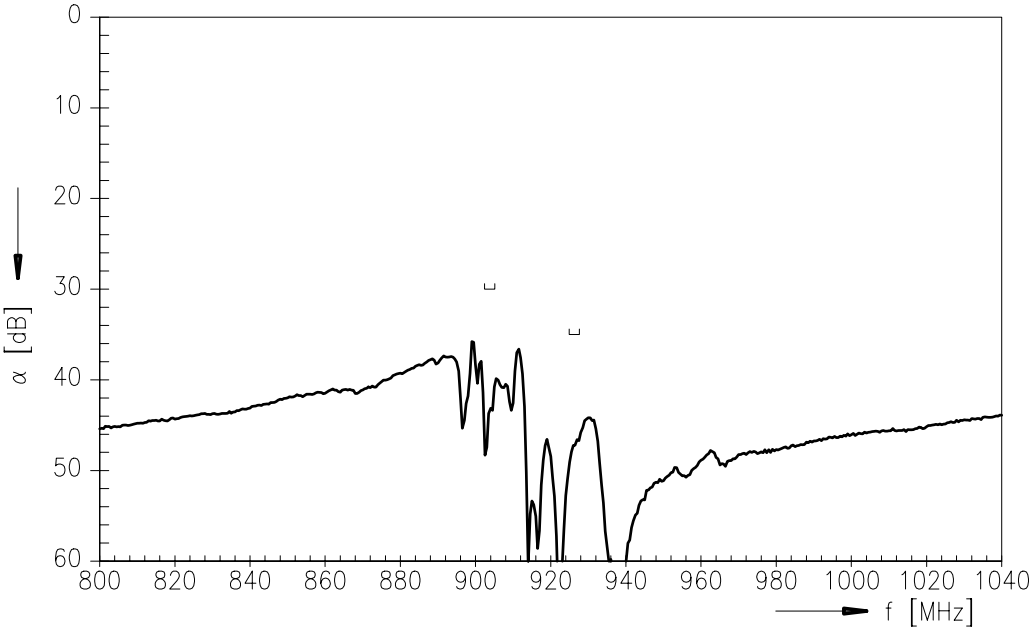


Isolation between Tx and Rx

Operating temperature range	T	= –10 to 55 ˚C
Ant term. impedance	Z_{Ant}	= 50 Ω
Port 1 term. impedance	$Z_{Port\ 1}$	= 50 Ω
Port 2 term. impedance	$Z_{Port\ 2}$	= 50 Ω

		min.	typ.	max.	
Absolute attenuation	α				
924,40 ... 928,10 MHz		35	44	—	dB
902,40 ... 905,10 MHz		30	38	—	dB

Isolation between Tx and Rx :



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