Tx IF Filters for Cellular Phones

Series/Type: **B4911**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39161B4911Z810		2004-05-19	2004-09-30	2004-12-31

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.

Withdrawn Products

The following products presented in this data sheet are being withdrawn:

B39161B4911Z810

Date of withdrawal:	19−MAY−04
Deadline for last orders:	30−SEP−04
Last shipments:	31−DEC−04

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of the sales offices are given on the Internet at www.epcos.com/sales.

EPCOS

SAW Components

Datasheet B4911

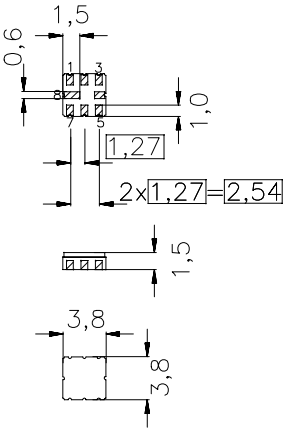
Ceramic package **QCC8B**

Features

- Low-loss Tx filter
- Hermetically sealed ceramic SMD package

Terminals

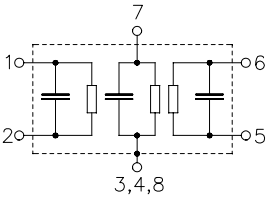
- Ni, gold-plated



Dimensions in mm, approx. weight 0,8 g

Pin configuration

1	Input
2	Input ground or balanced input
3	To Be Grounded
4,7,8	To Be Grounded
5	Output
6	Output ground or balanced output



Type	Ordering code	Marking and Package according to	Packing according to
B4911	B39161-B4911-Z810	C61157-A7-A46	F61074-V8037-Z000

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

Maximum ratings

Operable temperature range	T_A	– 40/+ 85	˚C	
Storage temperature range	T_{stg}	– 40/+ 85	˚C	
DC voltage	V_{DC}	0	V	between any terminals
Source power	P_s	10	dBm	source impedance 50Ω

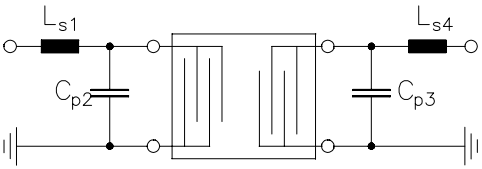
Characteristics

Operating temperature range: T =-30 ˚C ... +85 ˚C
Terminating source impedance: Z_S = 200 Ω || 2300 nH
Terminating load impedance: Z_L = 230 Ω || 870 nH

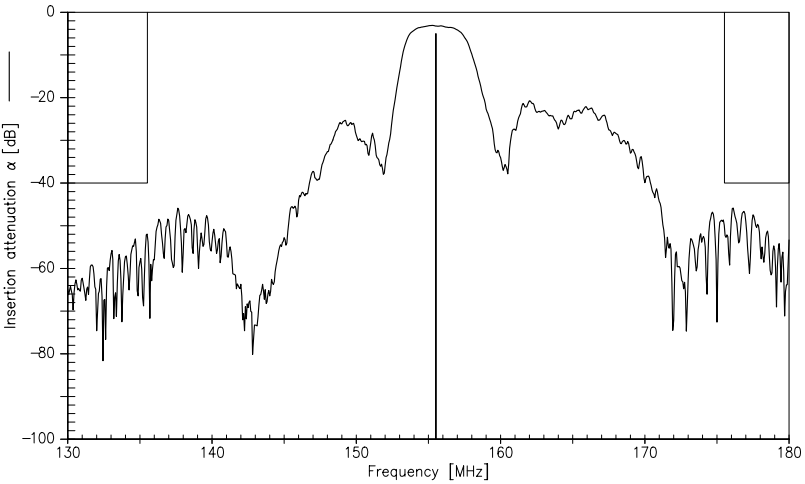
		min.	typ.	max.	
Center frequency	f_c	—	155,52	—	MHz
Maximum insertion attenuation	α_{max}	—	3,0	5,0	dB
155,505 ... 155,535 MHz					
Amplitude ripple (p-p)	$\Delta\alpha$				
155,505 ... 155,535 MHz		—	0,4	1,0	dB
Group delay	$\Delta\tau$				
155,505 ... 155,535 MHz		—	200	500	ns
Input/output return loss		10	15	—	dB
155,505 ... 155,535 MHz					
Attenuation	α				
0,0 ... 135,52 MHz		40	50	—	dB
175,52 ... 500,0 MHz		40	46	—	dB

Matching Network to 50Ω

L_{s1} = 82 nH
C_{p2} = 6,8 pF
C_{p3} = 5,6 pF
L_{s4} = 120 nH



Frequency response



Published by EPCOS AG
Surface Acoustic Wave Components Division, OFW E MF
P.O. Box 80 17 09, D-81617 München

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