



Withdrawn Products

The following products presented in this data sheet are being withdrawn: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



SAW Components

Datasheet B4911

Data Sheet



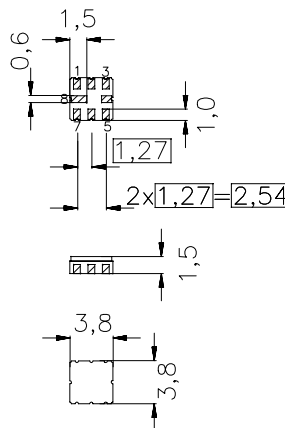
Ceramic package **QCC8B**

Features

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

Terminals

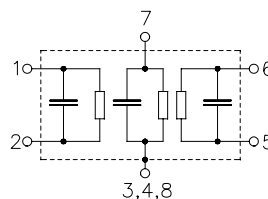
- Ni, gold-plated



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 Sensitive Device (ESD)

Maximum ratings

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



Characteristics

Operating temperature range: $T = -30\text{ }^{\circ}\text{C} \dots +85\text{ }^{\circ}\text{C}$
 Terminating source impedance: $Z_S = 200\text{ }\Omega \parallel 2300\text{ nH}$
 Terminating load impedance: $Z_L = 230\text{ }\Omega \parallel 870\text{ nH}$

		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)	$\Delta\alpha$	—	0,4	1,0	dB
	155,505 ... 155,535 MHz				
Group delay	$\Delta\tau$	—	200	500	ns
	155,505 ... 155,535 MHz				
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

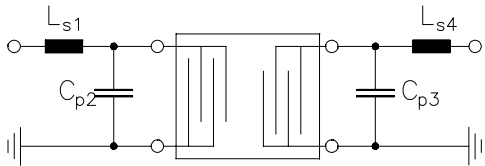
Matching Network to 50Ω

$$L_{s1} = 82 \text{ nH}$$

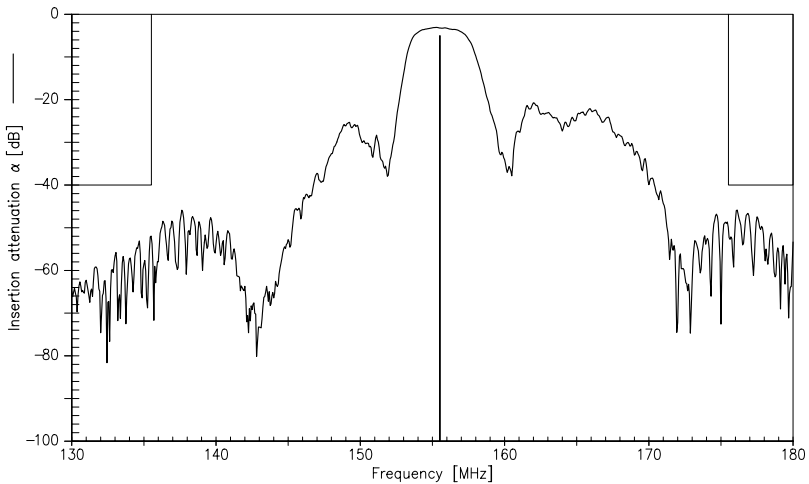
$$C_{p2} = 6,8 \text{ pF}$$

$$C_{p3} = 5,6 \text{ pF}$$

$$L_{s4} = 120 \text{ nH}$$



Frequency response



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Surface Acoustic Wave Components Division, OFW E MF

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The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

For questions on technology, prices and delivery please contact the sales offices of EPCOS AG or the international representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our sales offices.