



# SAW Components

Data Sheet B1608

Data Sheet

An abstract, grayscale image featuring a large, glowing, 3D-style "EPCOS" logo. The logo is tilted and appears to be emerging from or integrated with a complex, layered, and somewhat blurred background that suggests a globe or a series of overlapping planes. The overall effect is futuristic and high-tech.

EPCOS



## SAW Components

B1608

## Low-Loss Filter

1472,0 MHz

## Data Sheet



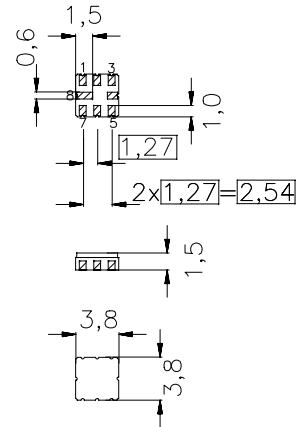
SMD ceramic package **QCC8B**

### Features

- Low loss RF filter for DAB
- Usable passband 40 MHz
- Unbalanced or balanced operation
- No matching network required for operation at 50  $\Omega$
- Ceramic package for **Surface Mounted Technology (SMT)**

### Terminals

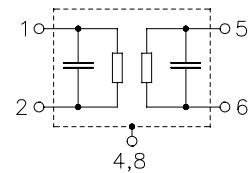
- Ni, gold-plated



Dimensions in mm, approx. weight 0,07 g

### Pin configuration

- |     |                                  |
|-----|----------------------------------|
| 1   | Input ground or balanced input   |
| 2   | Input                            |
| 5   | Output ground or balanced output |
| 6   | Output                           |
| 3,7 | To be grounded                   |
| 4,8 | Case – ground                    |



Type	Ordering code	Marking and Package according to	Packing according to
B1608	B39152-B1608-Z810	C61157-A7-A46	F61074-V8167-Z000

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

### Maximum ratings

Operable temperature range	$T$	-20/+85	$^{\circ}\text{C}$	source and load impedance 50 $\Omega$
Storage temperature range	$T_{\text{stg}}$	-40/+85	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Source power	$P_{\text{S}}$	0	dBm	



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### Characteristics

Operating temperature range:  $T = -20\text{ °C} \dots +85\text{ °C}$

Terminating source impedance:  $Z_S = 50\ \Omega$

Terminating load impedance:  $Z_L = 50\ \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	1472,0	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
1452,00 ... 1492,00 MHz		—	3,8	4,8	dB
<b>Amplitude ripple in passband (p-p)</b>	$\Delta\alpha$				
1452,00 ... 1492,00 MHz		—	1,0	1,5	dB
<b>Attenuation</b>	$\alpha$				
500,00 ... 1262,00 MHz		34,0	38,0	—	dB
1262,00 ... 1382,00 MHz		34,0	38,0	—	dB
1382,00 ... 1398,00 MHz		25,0	30,0	—	dB
1398,00 ... 1414,00 MHz		18,0	22,0	—	dB
1547,00 ... 1580,00 MHz		25,0	35,0	—	dB
1580,00 ... 2200,00 MHz		33,0	40,0	—	dB
<b>Group delay ripple (p-p)</b>	$\Delta\tau$				
Aperture 1 MHz 1452,00 ... 1492,00 MHz		—	10	—	ns



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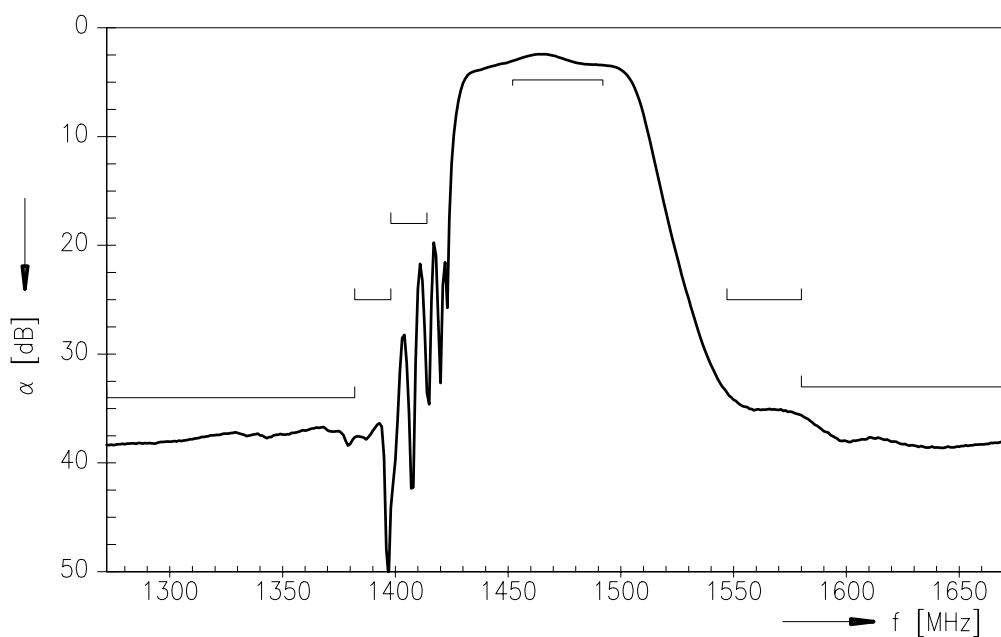
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1472,0 MHz

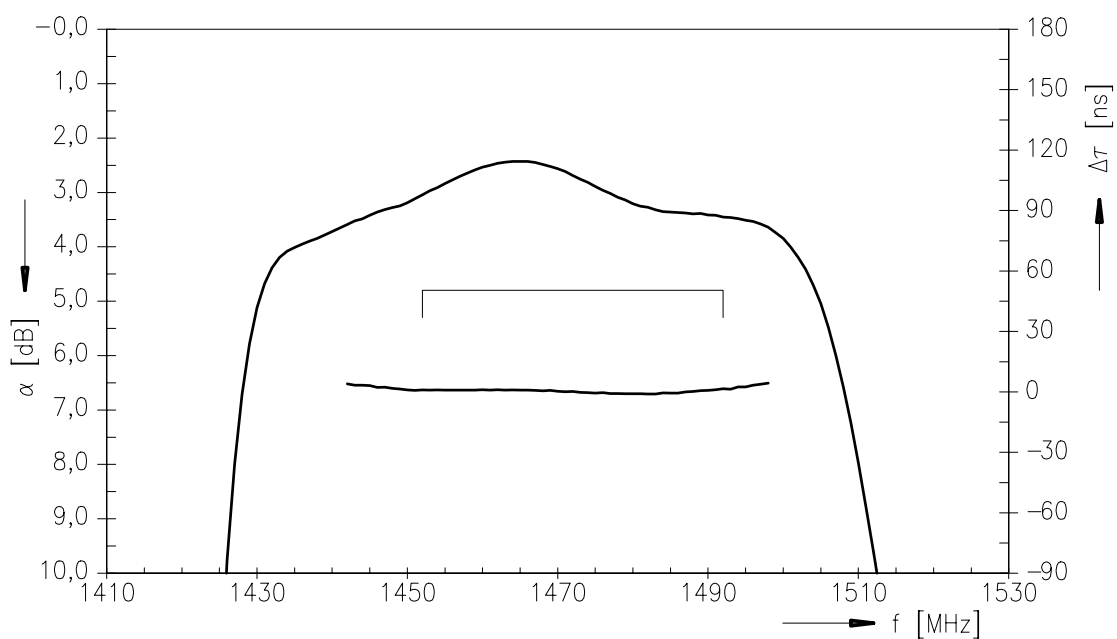
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Transfer function



Transfer function (passband)





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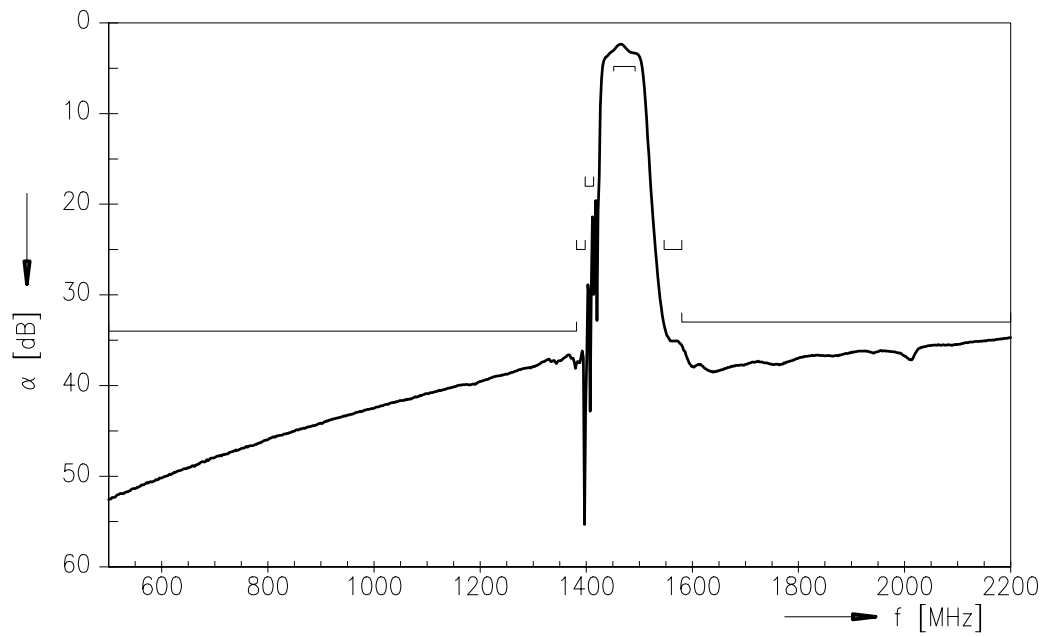
Low-Loss Filter

1472,0 MHz

Data Sheet



Transfer function (wideband)





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<b>Low-Loss Filter</b>	<b>1472,0 MHz</b>
<b>Data Sheet</b>	<b>SMD</b>

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