



SAW Components

Data Sheet B1608

Data Sheet

EPCOS



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B1608

Low-Loss Filter

1472,0 MHz

Data Sheet



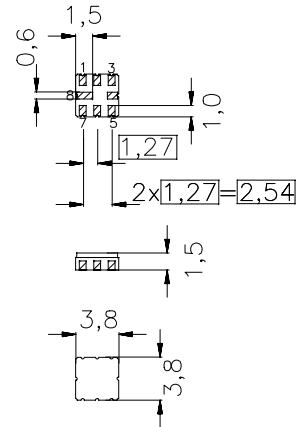
SMD ceramic package **QCC8B**

Features

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

Terminals

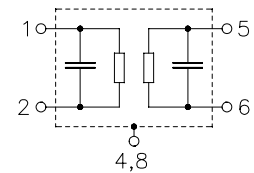
- Ni, gold-plated



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 Ω
Storage temperature range	T_{stg}	-40/+85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Source power	P_{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.	
Center frequency	f_c	—	1472,0	—	MHz
Maximum insertion attenuation	α_{\max}				
1452,00 ... 1492,00 MHz		—	3,8	4,8	dB
Amplitude ripple in passband (p-p)	$\Delta\alpha$				
1452,00 ... 1492,00 MHz		—	1,0	1,5	dB
Attenuation	α				
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
Group delay ripple (p-p)	$\Delta\tau$				
Aperture 1 MHz 1452,00 ... 1492,00 MHz		—	10	—	ns



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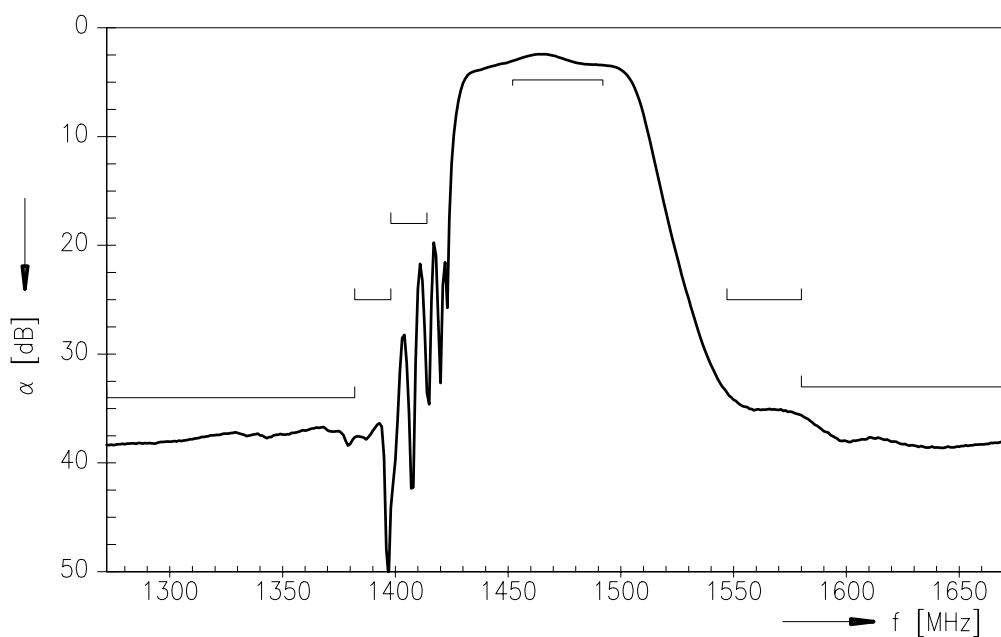
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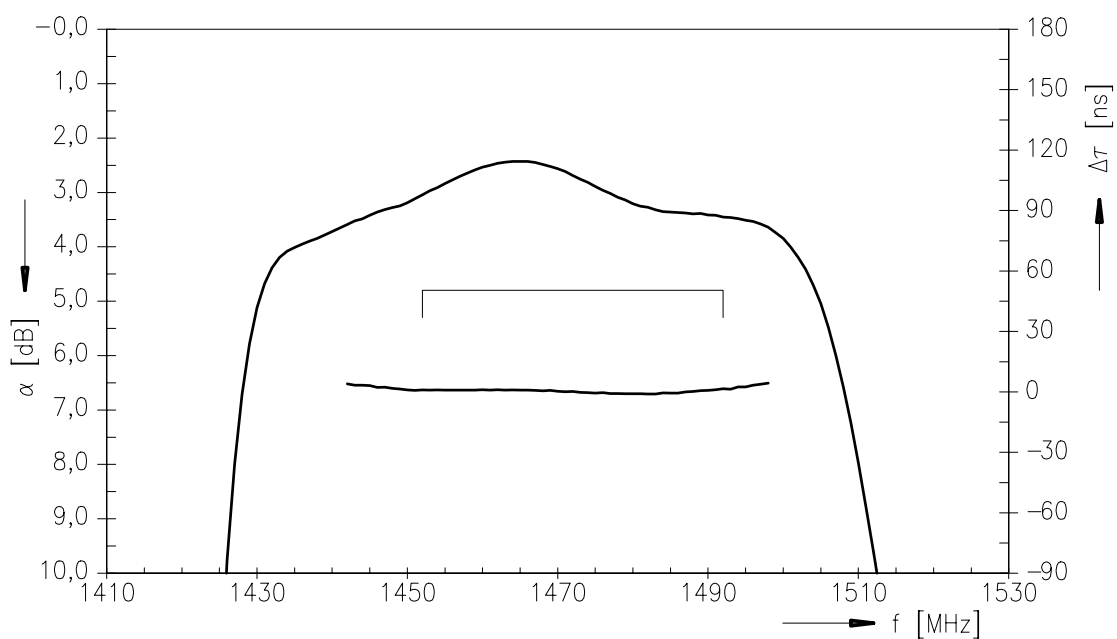
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Transfer function



Transfer function (passband)





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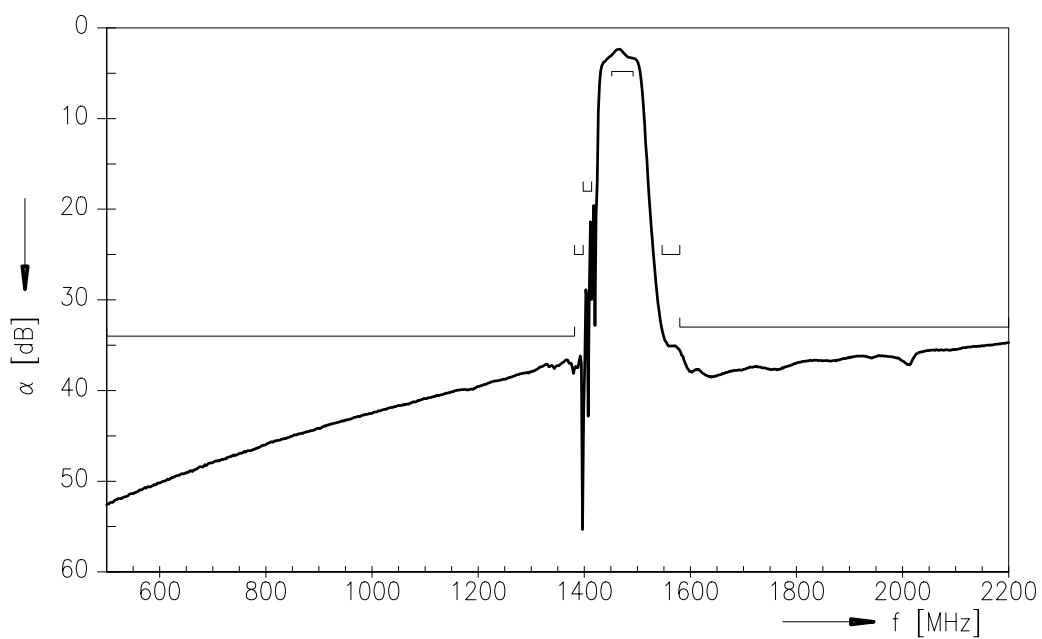
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Transfer function (wideband)





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