



SAW Components

Data Sheet B4908

Data Sheet

An abstract, grayscale graphic featuring a stylized, three-dimensional representation of the EPCOS logo. The letters "EPCOS" are rendered in a bold, sans-serif font, appearing to be part of a larger, curved structure that resembles a globe or a stylized wave. The background is dark and textured, with light reflecting off the surfaces of the logo.

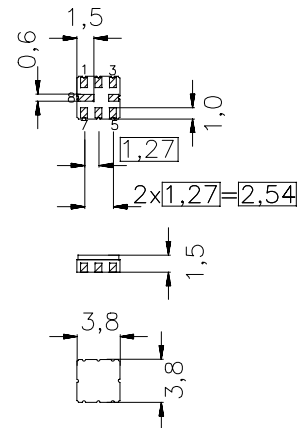


SAW Components		B4908
Low-Loss Filter for Mobile Communication		158,55 MHz
Data Sheet		

Features

- Low-loss IF filter for mobile telephone, transmit path
- Low amplitude ripple
- Usable passbands 1,3 MHz
- Balanced and unbalanced operation possible
- Ceramic package for **Surface Mounted Technology (SMT)**

Ceramic package **QCC8B**



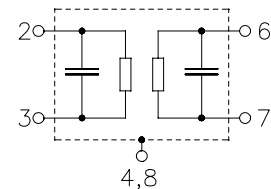
Terminals

- Ni, gold-plated

Dimensions in mm, approx. weight 0,07 g

Pin configuration

2	Input
3	Input
6	Output
7	Output
4,8	Case - Ground
1,5	To be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B4908	B39161-B4908-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 40 / + 85	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	- 40 / + 85	°C	
DC voltage	V_{DC}	0	V	
Source power	P_{IN}	10	dBm	



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Characteristics

Operating temperature range:

$T = -40$ to $+85$ °C

Terminating source impedance:

$Z_S = 470 \Omega \parallel 470$ nH, single ended (pin 3)

Terminating load impedance:

$Z_L = 470 \Omega \parallel 680$ nH, balanced

				min.	typ.	max.	
Center frequency	f_c			—	158,55	—	MHz
Maximum insertion attenuation	α_{\max}			—	2,5	3,0	dB
		157,90 ... 159,20 MHz					
Amplitude ripple in passband (p-p)	$\Delta\alpha$			—	0,5	1,0	dB
		157,90 ... 159,20 MHz					
Phase linearity deviation	$\Delta\phi$			—	0,6	1,5	°rms
		157,90 ... 159,20 MHz					
Attenuation	α_{\min}						
		0,00 ... 130,00 MHz		50	55	—	dB
		130,00 ... 139,00 MHz		40	52	—	dB
		139,00 ... 151,55 MHz		30	39	—	dB
		165,55 ... 178,00 MHz		14	16	—	dB
		178,00 ... 475,00 MHz		35	40	—	dB
		475,00 ... 1000,00 MHz		45	70	—	dB



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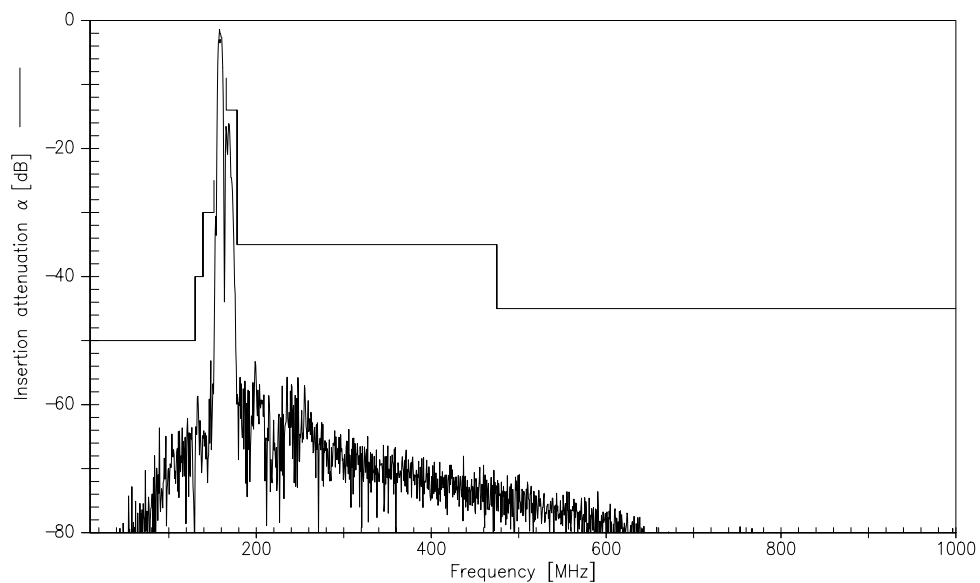
Low-Loss Filter for Mobile Communication

158,55 MHz

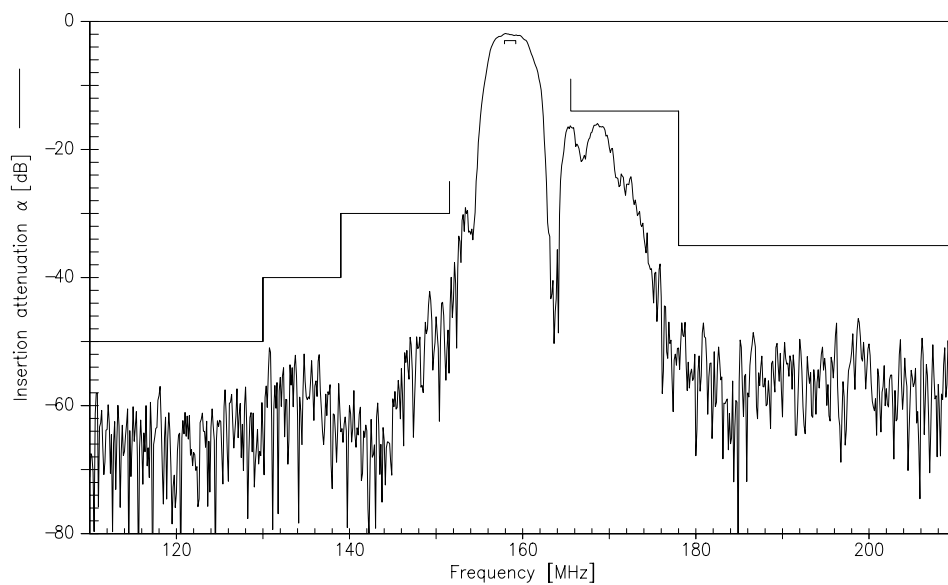
Data Sheet



Transfer function (wideband):



Transfer function (narrowband):





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Low-Loss Filter for Mobile Communication

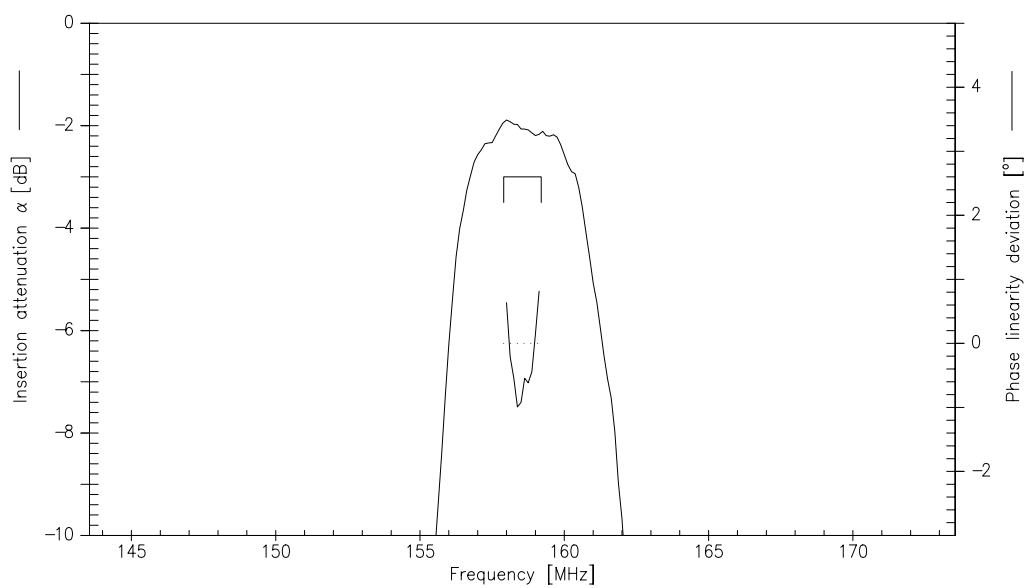
158,55 MHz

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Transfer function (passband) :

Phase linearity deviation = 0.65° rms





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Data Sheet	SMD

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