



SAW Components

Data Sheet B7832

Data Sheet

An abstract, grayscale graphic featuring a globe with a grid pattern, overlaid with a large, stylized, and slightly blurred "EPCOS" logo. The logo is rendered in a light gray, almost white, color, giving it a three-dimensional appearance as if it's floating or attached to the globe. The background is dark and textured, with some light streaks and a sense of motion or depth.

EPCOS



SAW Components

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Low-Loss Filter for Mobile Communication

1855,00 MHz

Data Sheet



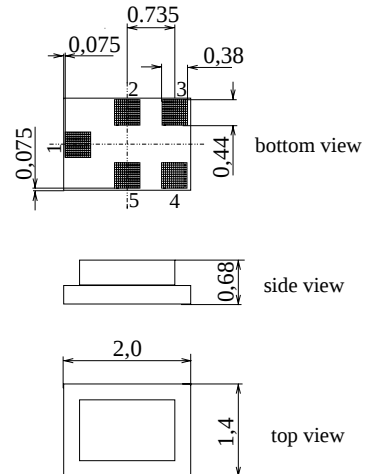
Chip Sized SAW Package QCS5C

Features

- Low-loss RF filter for mobile telephone Korean PCS systems, receive path
- Usable passband 30 MHz
- No matching network required for operation at 50 Ω
- Ceramic package for Surface Mounted technology (SMT)
- RoHS compliant

Terminals

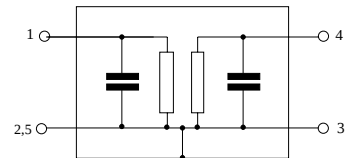
- Ni, gold-plated



Dimensions in mm, approx. weight 0,007 g

Pin configuration

- | | |
|-------|----------------|
| 1 | Input |
| 4 | Output |
| 2,3,5 | To be grounded |



Type	Ordering code	Marking and Package according to	Packing according to
B7832	B39192-B7832-C710	C61157-A7-A111	F61074-V8151-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 30/+ 85	$^{\circ}\text{C}$	CDMA signal
Storage temperature range	T_{stg}	- 40/+ 85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}	0	dBm	



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Characteristics

Operating temperature range: $T = -30$ to $+85^{\circ}\text{C}$
 Terminating source impedance: $Z_S = 50\ \Omega$
 Terminating load impedance: $Z_L = 50\ \Omega$

			min.	typ.	max.	
Center frequency	f_c		—	1855,0	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	1840,0 ...1870,0 MHz		—	1,8	2,4	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	1840,0 ...1870,0 MHz		—	0,6	1,2	dB
VSWR						
	1840,0 ...1870,0 MHz		—	1,5	1,9	
Attenuation	α					
	1440,0 ...1470,0 MHz		35,0	39,0	—	dB
	1750,0 ...1780,0 MHz		40,0	45,0	—	dB
	1930,0 ...1960,0 MHz		40,0	51,0	—	dB
	2240,0 ...2270,0 MHz		40,0	46,0	—	dB



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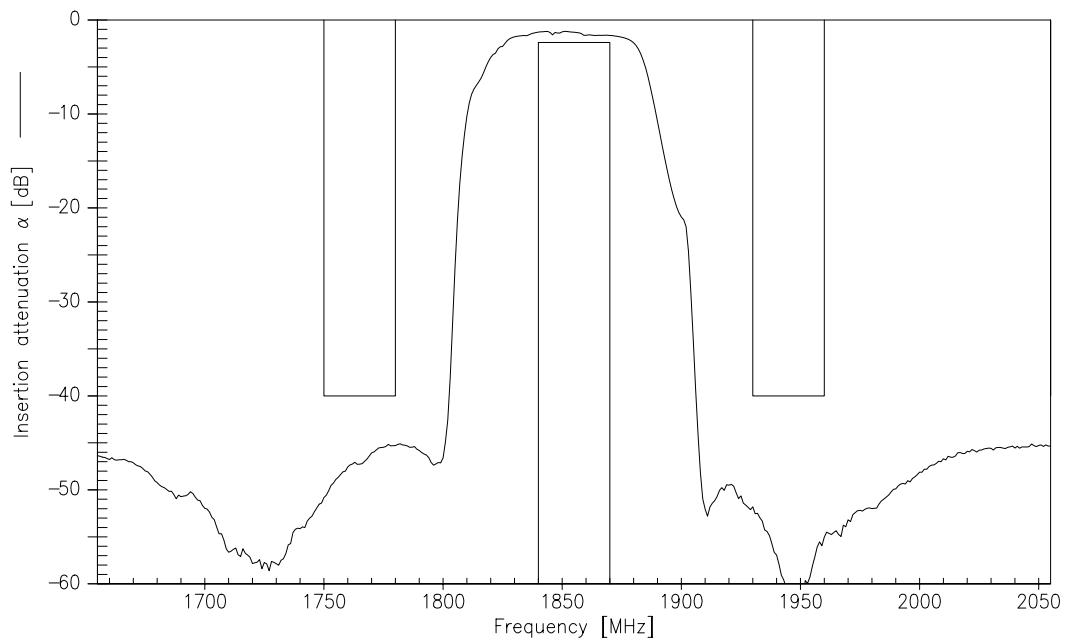
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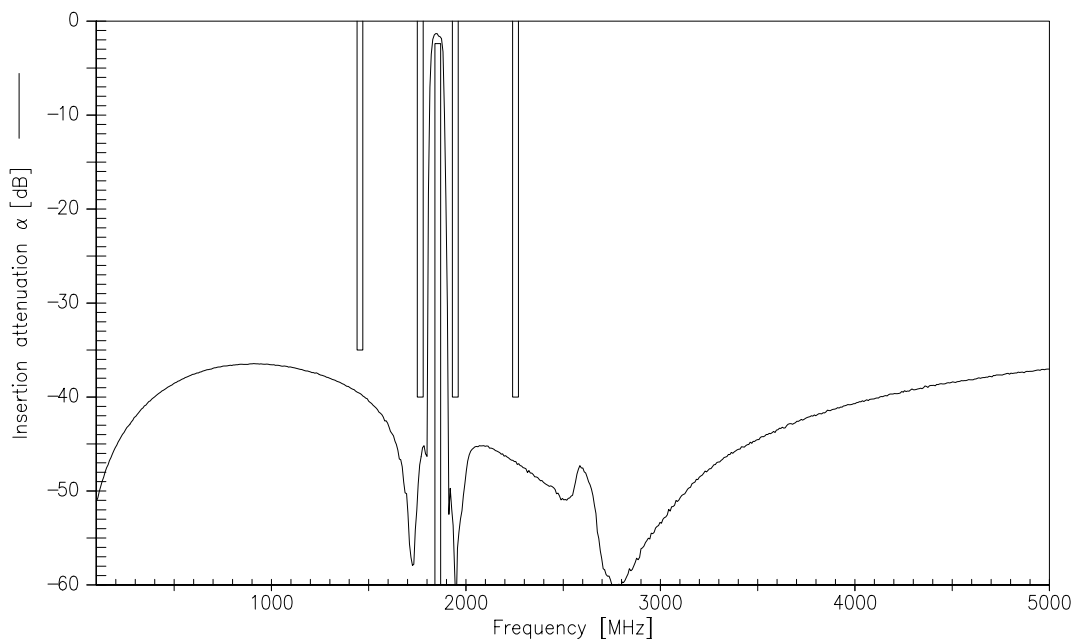
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Transfer function (measurement)



Transfer function (wideband measurement)





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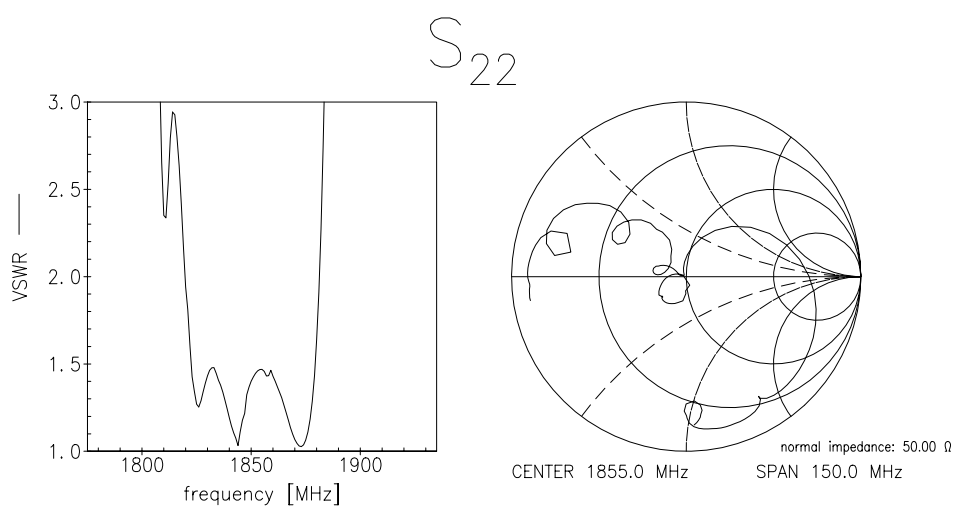
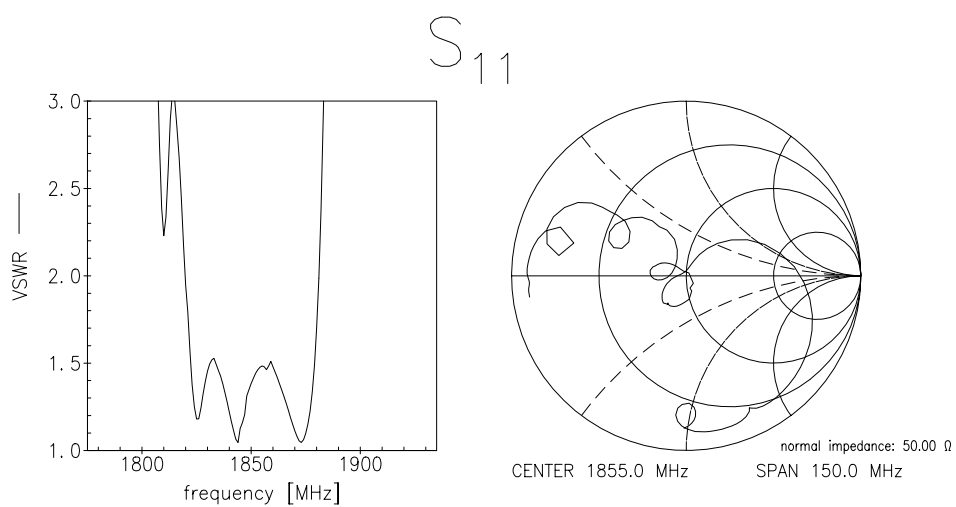
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Matching (measurement)





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