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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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SAW Components

Data Sheet B7703





SAW Components

B7703

Low-Loss Filter for Mobile Communication

836,5 MHz

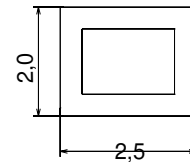
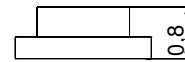
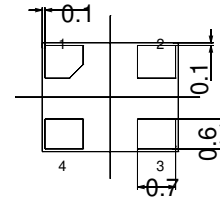
Data Sheet



Chip Sized SAW Package DCS4C

Features

- Low-loss RF filter for mobile telephone AMPS systems, transmit path
- Low amplitude ripple
- Usable passband 25 MHz
- Package for Surface Mounted Technology (SMT)



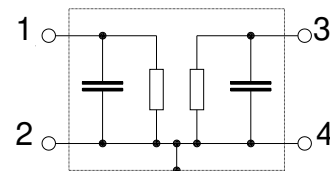
Dimensions in mm, approx. weight 0,015 g

Terminals

- Gold-plated Ni

Pin configuration

- 1 Input
- 3 Output
- 2, 4 Ground



Type	Ordering code	Marking and Package according to	Packing according to
B7703	B39841-B7703-C510	C61157-A7-A80	F61074-V8104-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operating temperature range	T	- 30/+ 85	°C	Human Body Model source impedance 50 Ω
Storage temperature range	T_{stg}	- 40/+ 85	°C	
DC voltage	V_{DC}	5	V	
ESD	V_{ESD}	50	V	
Input Power max.	P_{IN}	15	dBm	



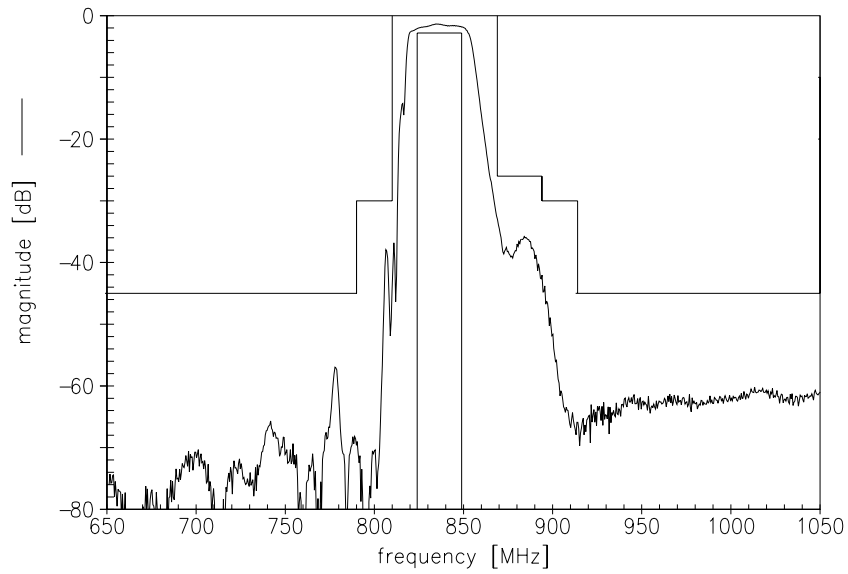
Characteristics

Operating temperature range: $T = -30$ to $+85$ °C
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

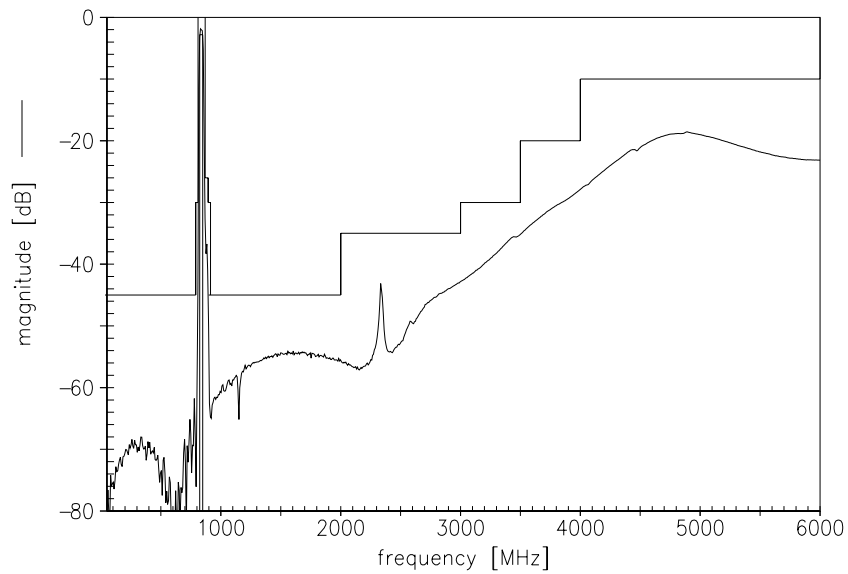
			min.	typ.	max.	
Center frequency	f_C		—	836,5	—	MHz
Maximum insertion attenuation	α_{max}	824,0 ... 849,0 MHz	—	2,5	2,8	dB
Amplitude ripple (p-p)	$\Delta\alpha$	824,0 ... 849,0 MHz	—	0,9	1,3	dB
Return loss		824,0 ... 849,0 MHz	—	12,0	10,0	dB
Attenuation	α	0,0 ... 790,0 MHz	45,0	56,0	—	dB
		790,0 ... 810,0 MHz	30,0	35,0	—	dB
		869,0 ... 894,0 MHz	26,0	29,0	—	dB
		894,0 ... 914,0 MHz	30,0	40,0	—	dB
		914,0 ... 2000,0 MHz	45,0	50,0	—	dB
		2000,0 ... 3000,0 MHz	35,0	40,0	—	dB
		3000,0 ... 3500,0 MHz	30,0	35,0	—	dB
		3500,0 ... 4000,0 MHz	20,0	25,0	—	dB
		4000,0 ... 6000,0 MHz	10,0	18,0	—	dB
Rx band suppression	α	869,0 ... 894,0 MHz	26,0	29,0	—	dB



Transfer function

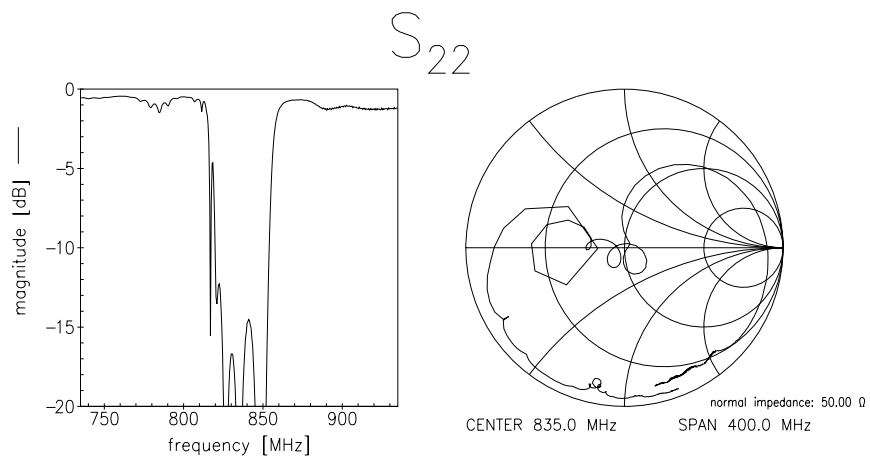
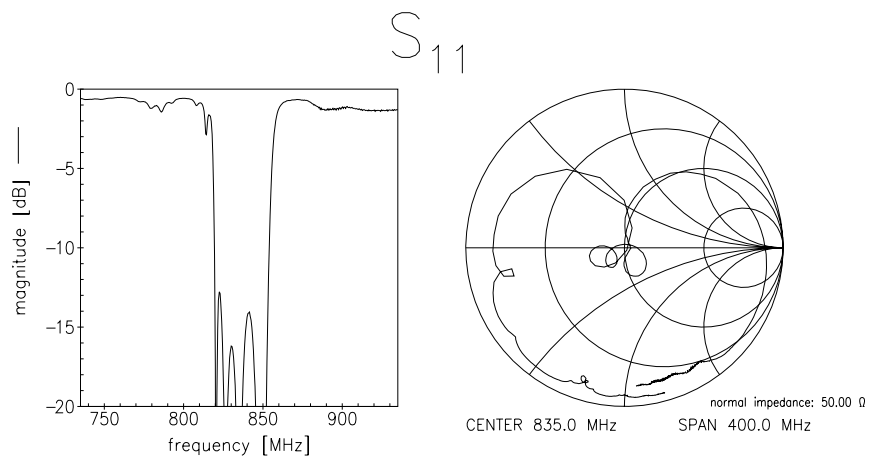


Transfer function (wideband)





Reflection functions





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