

SAW Components

Data Sheet B7731, Pb-Free

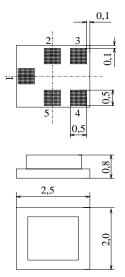




SAW Components		B7731
Low-Loss Filter for Mobile Communication		881,5 MHz
Data Sheet	SMD	

Features

- Low-loss RF filter for mobile telephone cellular system, receive path
- Low amplitude ripple
- Usable passband 25 MHz
- Unbalanced to balanced operation
- Impedance transformation from 50 Ω to100 Ω
- Package for Surface Mounted Technology (SMT)
- Pb-Free



Chip Size SAW package QCS5H

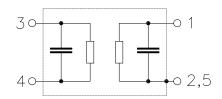
Terminals

• Ni, gold-plated

Pin configuration

1	Input, unbalanced
3,4	Balanced output
2,5	Case ground





Туре	Ordering code	Marking and Package according to	Packing according to
B7731	B39881-B7731-K910	C61157-A7-A139	F61074-V8189-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	Т	- 40 / + 85	°C	
Storage temperature range	T _{stg}	– 40 / + 85	°C	
DC voltage	V _{DC}	5	V	
ESD voltage	V^*_{ESD}	100*	V	Machine Model, 10 pulses
Input power max.	P _{IN}	0	dBm	source impedace 50 Ω , CDMA signal

* - acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses

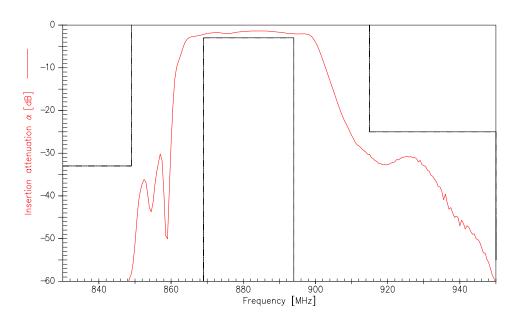


SAW Components						B7731
Low-Loss Filter for Mobile Communication			881,5 MHz			,5 MHz
Data Sheet	SN					
Characteristics						
Operating temperature range: Terminating source impedance: Terminating load impedance:	Zs	= -30 to = 50 Ω = 100 Ω				
			min.	typ.	max.	
Center frequency		f _C	_	881,5	—	MHz
Maximum insertion attenuation 869,0 894,0	MHz	α_{max}	_	2,4	3,0	dB
Amplitude ripple (p-p) 869,0 894,0	MHz	Δα	_	1,0	1,6	dB
Input VSWR 869,0 894,0	MHz		_	1,9	2,0	
Output VSWR 869,0 894,0	MHz		_	2,0	2,1	
Attenuation		α				
0,0 824,0 824,0 849,0 915,01000,0 1000,01610,0 1610,03000,0 3000,06000,0	MHz MHz MHz MHz MHz MHz		55,0 33,0 25,0 55,0 50,0 45,0	64,0 50,0 31,0 63,0 64,0 68,0	 	dB dB dB dB dB dB dB
Amplitude Imbalance Phase Imbalance			-0,8 -4,5	_	0,8 3,5	dB degree

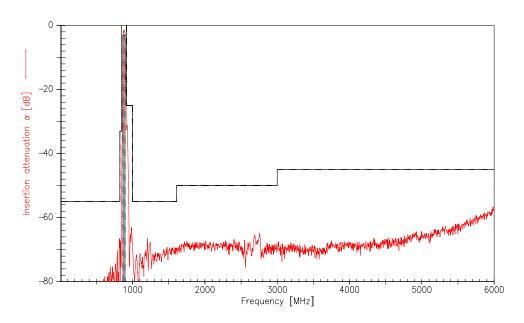




Transfer function

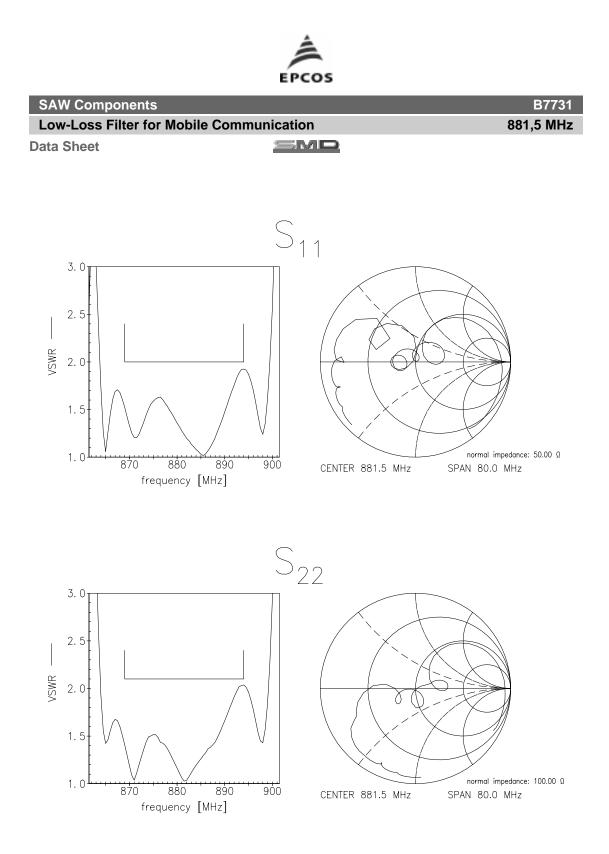


Transfer function (wideband)



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This brochure replaces the previous edition.

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