

SAW Components

Data Sheet B7836





SAW Components		B7836
Low-Loss Filter for Mobile Communication		1501,5 MHz
Preliminary Data	SMD	

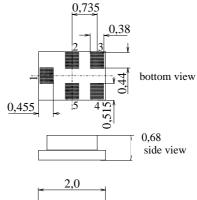
Chip sized SAW package QCS5C

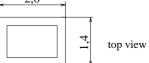
Features

- Low-loss RF filter for PDC system, receive path
- Small insertion attenuation
- Low amplitude ripple
- Package for Surface Mounted Technology (SMT)
- Chip Sized SAW Package (CSSP)

Terminals

Gold-plated Ni

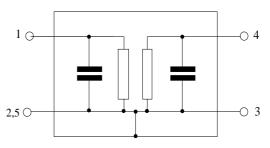




Dimensions in mm, approx. weight 0,007 g

Pin configuration

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



Туре	Ordering code	Marking and Package according to	Packing according to
B7836	B39152-B7836-C710	C61157-A7-A111	F61074-V8151-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operating temperature range	Т	- 20/+ 85	°C	
Storage temperature range	T _{stg}	- 40/+ 85	°C	
DC voltage	V _{DC}	3	V	
Source power	Ps	13	dBm	duty cycle 1:3, source and load impedance 50 Ω

2

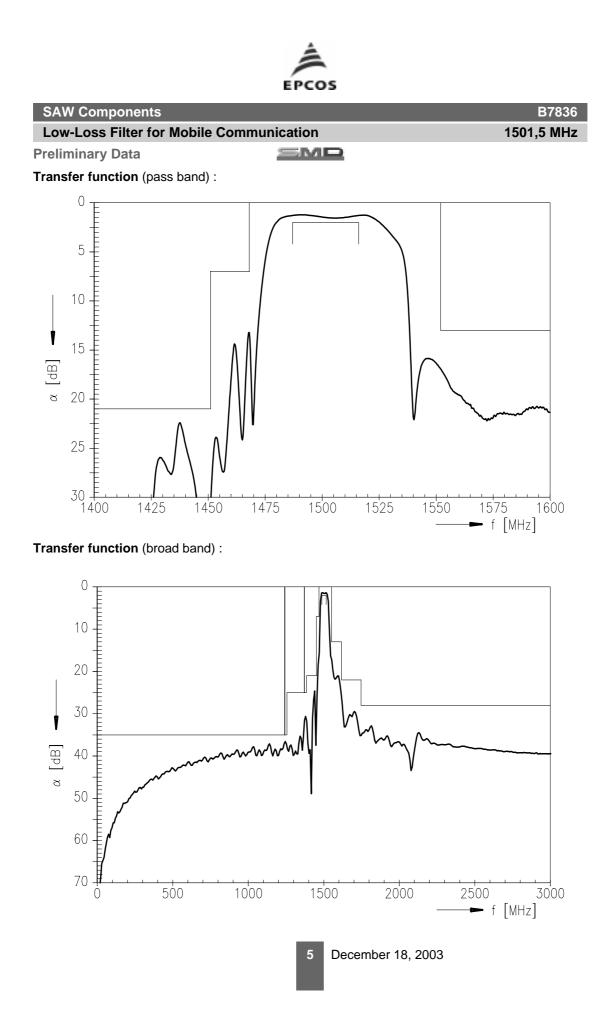


SAW Components					B7836
Low-Loss Filter for Mobile Communication				1501,	5 MHz
Preliminary Data					
Characteristics					
Operating temperature range: $T = +25 + 2^{\circ}C$ Terminating source impedance: $Z_{\rm S} = 50 \Omega$ Terminating load impedance: $Z_{\rm L} = 50 \Omega$					
		min.	typ.	max.	
Center frequency	f _C	_	1501,5	_	MHz
Maximum insertion attenuation 1487,0 1516,0 I	α _{max} MHz	_	1,5	2,0	dB
Amplitude ripple (p-p) 1487,0 1516,0 I	Δα MHz	_	0,3	0,8	dB
Absolute attenuation	α				
1241,5 I 1357,0 1386,0 I 1371,5 I 1422,0 1451,0 I	MHz MHz MHz	35 35 25 21 11 13 22 28	36 30 30 23 15 16 27 34		dB dB dB dB dB dB dB dB dB dB



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1241,5 1357,0 1386,0 1371,5 1422,0 1451,0 1451,0 1468,0 1552,0 1581,0 1617,0 1646,0	MHz MHz	35 35 25 21 7 13 22 28	36 30 30 23 13 16 25 34		dB dB dB dB dB dB dB dB dB dB

4





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