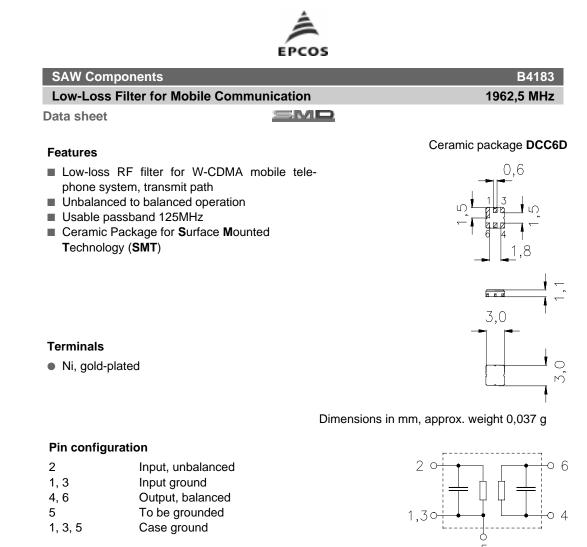


## SAW Components

Data Sheet B4183





Туре	Ordering code	Marking and Package according to	Packing according to
B4183	B39202-B4183-U510	C61157-A7-A68	V61074-V8089-Z000

5

Electrostatic Sensitive Device (ESD)

## **Maximum ratings**

Operable temperature range	Т	- 30 / + 80	°C	
Storage temperature range	T <sub>stg</sub>	– 40 / + 85	°C	
DC voltage	V <sub>DC</sub>	3	V	
ESD voltage	$V_{ESD}^{*}$	50*	V	Machine Model, 10 pulses
Source power	P <sub>IN</sub>	5	dBm	

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



SAW Components							B4183
Low-Loss Filter for Mobile Communication					1962,	5 MHz	
Data sheet	1	=N					
Characteristics							
Operating temperature range:			= 25°C				
Terminating source impedance	e:			∥3.9 nH			
Terminating load impedance:		$Z_{L}$	= 200 9	Ω∥18.0 nH	ł		
				min.	typ.	max.	I
			f <sub>c</sub>		1962,5	maxi	MHz
Center frequency			'c		1902,5		
Maximum insertion attenuat	ion		a				
1900,0	2025,0		$\alpha_{max}$		3,8	4,2	dB
1900,0	2025,0				3,0	4,2	uБ
Amplitude ripple (p-p)			Δα				
1900.0	2025,0	мц <u>-</u>	20		1,4	1,8	dB
1900,0	2025,0				1,4	1,0	uв
Absolute attenuation			$\alpha_{abs}$				
0.0	1600,0	MHz	0.00	30	35		dB
1600,0	1800,0			16	20		dB
	1880,0			5	10		dB
2110,0	6000,0			20	25		dB
2110,0	0000,0			20	20		UB

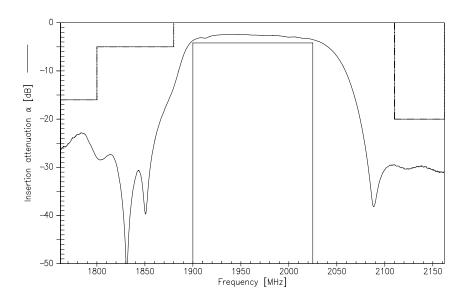


SAW Components							B4183
Low-Loss Filter for Mobile Communication					1962,5 MHz		
Data sheet							
Characteristics							
Operating temperature range:		Т	= -30	+80°C			
Terminating source impedance	e:			∥3.9 nH			
Terminating load impedance:		$Z_{L}$	= 200 9	Ω∥18.0 nH	ł		
				min.	typ.	max.	
Center frequency			f <sub>c</sub>		1962,5		MHz
Maximum insertion attenuat	ion		$\alpha_{max}$				
1900,0	2025,0	MHz		—	4,2	4,8	dB
Americana single (n. n)			<b>A</b>				
Amplitude ripple (p-p)	2025.0	N 41 I	Δα		4.0	2.4	
1900,0	2025,0	MHZ		_	1,8	2,4	dB
Absolute attenuation			$\alpha_{abs}$				
0,0	1600,0	MHz	005	30	35	_	dB
1600,0	1800,0			16	20	—	dB
1800,0	1880,0			5	10	—	dB
2110,0	6000,0	MHz		20	25	—	dB

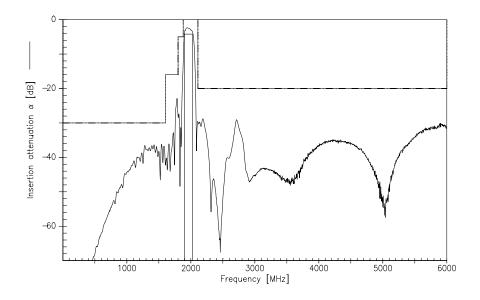
	EPCOS	
SAW Components		B4183
Low-Loss Filter for M	Mobile Communication	1962,5 MHz
Data sheet	<u>smd</u>	

â

Transfer function (narrowband) :



## Transfer function (wideband) :



Apr 28, 2004

	ÉPCOS	
SAW Components		B4183
Low-Loss Filter for N	Nobile Communication	1962,5 MHz
Data sheet	SMD	

## Published by EPCOS AG Surface Acoustic Wave Components Division, SAW MC PD P.O. Box 80 17 09, 81617 Munich, GERMANY

© EPCOS AG 2004. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.