

SAW Components

SAW filter Low-Loss Filter for TD-SCDMA

Series/Type: Ordering code:	B9484		
	B39202B9484P810		

Date: Version: Aug, 28, 2012 2.0

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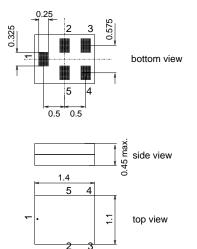
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SAW Components		B9484
SAW Filter		2017.5 MHz
Data sheet	SMD	
Application		
 Low-loss RF filter for mobil systems Impedance transformation f Unbalanced to balanced op Low amplitude ripple Usable passband 15 MHz Suitable for GPRS class 1 t 	from 50 Ω to 100 Ω peration	© 4505 449

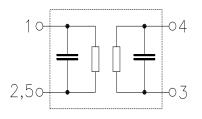
Features

- Package size 1.4 x 1.1 mm²
- Max. package height 0.45 mm
- RoHS compatible
- Approx. weight 0.003g
- Package for Surface Mount Technology (SMT)
- Ni, gold-plated terminals
- Electrostatic Sensitive Device (ESD)
- Moisture Sensitive Level 3



Pin configuration

- 1 Input, unbalanced
- 3,4 Output, balanced
- 2,5 Case-ground



Please read *cautions and warnings and important notes* at the end of this document.

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SAW Components			_	_		B9484
SAW Filter	_	_			_	2017.5 MHz
Data sheet	9	SMI				
Characteristics						
Temperature range for specification:		T =	–30 °C 1	to +85 °C		
Terminating source impedance:		$Z_{\rm S}$ =	50 Ω			
Terminating load impedance:		$Z_{\rm L}$ =	100 Ω			
			min.	typ.	max.	
				@ 25°C	maxi	
Center frequency		f _C	—	2017.5	_	MHz
Maximum insertion attenuation		$lpha_{max}$				
2010.0 2025.0	MHz		—	1.3	2.5	dB
• ••/ • • • / ·		Δα				
Amplitude ripple (p-p) 2010.0 2025.0	MHz	Δα		0.2	1.0	dB
2010.0 2023.0				0.2	1.0	UD I
Input VSWR						
2010.0 2025.0	MHz		_	1.3	2.0	
Output VSWR						
2010.0 2025.0	MHz		_	1.4	2.0	
CMRR $(S_{21}-S_{31} / S_{21}+S_{31})$						
2010.0 2025.0	MHz		22	30	_	dB
Attenuation		α				
0.1 1815.0	MHz		35	49	_	dB
1815.0 1840.0 1840.0 1895.0	MHz MHz		35 20	45 36	_	dB dB
1925.0 1980.0	MHz		16	21	_	dB
2050.0 2085.0	MHz		8	10	_	dB
2085.0 2110.0	MHz		21	24	_	dB
2110.0 6000.0	MHz		24	28	—	dB

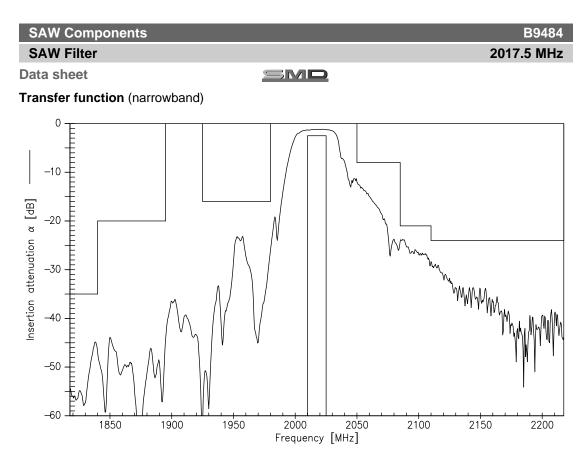
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SAW Filter				2017.5 MHz
Data sheet		SM		
Maximum ratings				
Operable temperature range	Т	-40/+85	°C	
Storage temperature range	T _{stg}	-40/+85	°C	
DC voltage	V_{DC}	3	V	
ESD voltage	V _{ESD}	50 ¹⁾	V	machine model, 10 pulses
Input Power at				
2010.02025.0MHz	P _{IN}	10	dBm	continuous wave

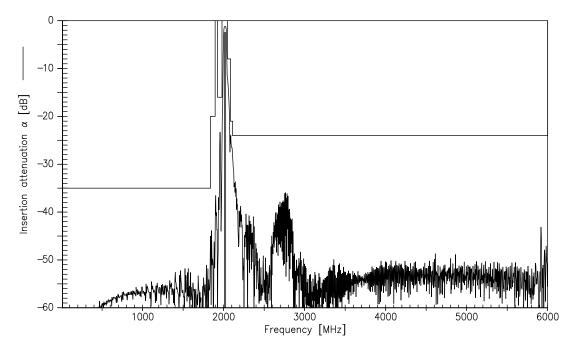
¹⁾ acc. to JESD22-A115A (machine model), 10 negative & 10 positive pulses.

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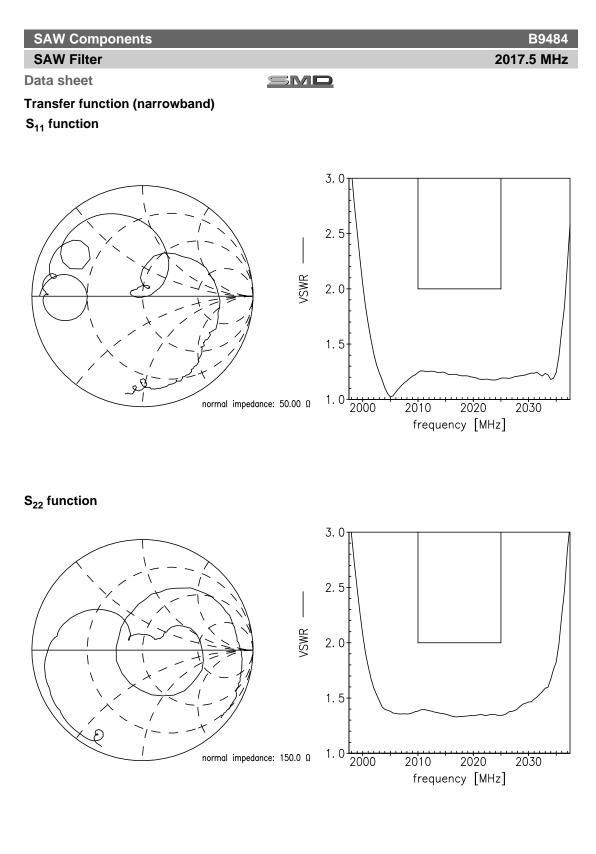
Transfer function (wideband)



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B9484

2017.5 MHz

SAW Filter

SMD

Туре	B9484
Ordering code	B39202B9484P810
Marking and package	C61157-A8-A14
Packaging	F61074-V8237-Z000
Date codes	L_1126
S-parameters	B9484_NB.s3p, B9484_WB.s3p see file header for port/pin assignment table
Soldering profile	S_6001
RoHS compatible	defined as compatible with the following documents: "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. 2005/618/EC from April 18th, 2005, amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maxi- mum concentration values for certain hazardous substances in electrical and electronic equipment."
Matching coils	See Inductor pdf-catalog http://www.tdk.co.jp/tefe02/coil.htm#aname1 and Data Library for circuit simulation http://www.tdk.co.jp/etvcl/index.htm

For further information please contact your local EPCOS sales office or visit our webpage at www.epcos.com.

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