

SAW Components

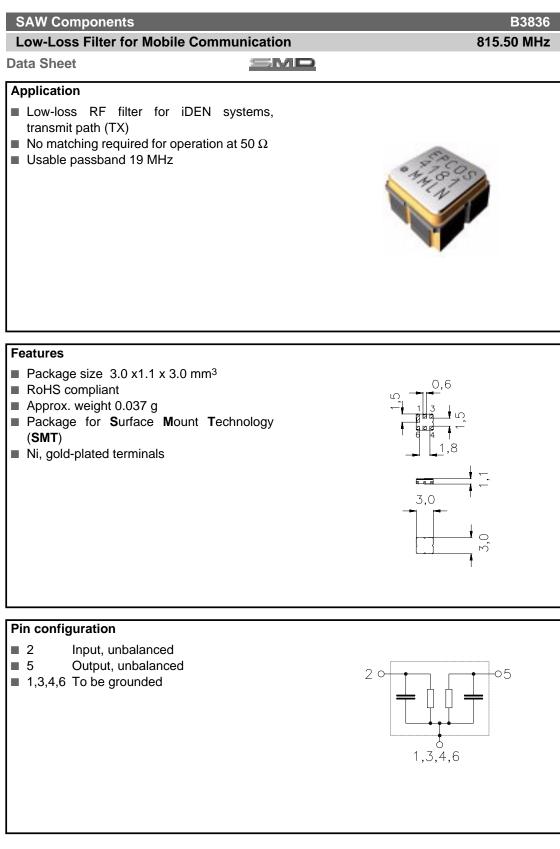
SAW Tx Filter

Series/Type: Ordering code: B3836 B39821-B3836-U410

Date: Version: Nov 10, 2005 1

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SAW Components						B3836
Low-Loss Filter for Mobile Communication				815.5	0 MHz	
Data Sheet	ata Sheet					
Characteristics						
Operating temperature range: $T = -30$ to +85 °CTerminating source impedance: $Z_{\rm S} = 50\Omega$ Terminating load impedance: $Z_{\rm L} = 50\Omega$						
		B3836 ¹⁾				
		min.	typ. @ 25°C	max.		
Center frequency	f _C	—	815.5		MHz	
Maximum insertion attenuation	α_{max}					

	nax			
806.0 825.0 MHz	—	2.7	3.7 ²⁾	dB
Group Delay ripple (p-p) Δτ	τ			
806.0 825.0 MHz	—	25	50	ns
Return loss (Input and Output)				
806.0 825.0 MHz	10.0	11.0	—	dB
Attenuation a				
851.0 870.0 MHz	45	52	—	dB
935.0 940.0 MHz	45	48	—	dB
960.65 979.65 MHz	42	46	—	dB
1115.30 1134.30 MHz	40	45	—	dB
1269.95 1288.95 MHz	35	45	—	dB
1612.00 1650.00 MHz	25	32	—	dB
1650.00 2600.00 MHz	25	27	—	dB

 $^{1)}$ Values in columns min, typ and max indicate the development status of the current version. $^{2)}$ 3,0 dB max. at 25°C.

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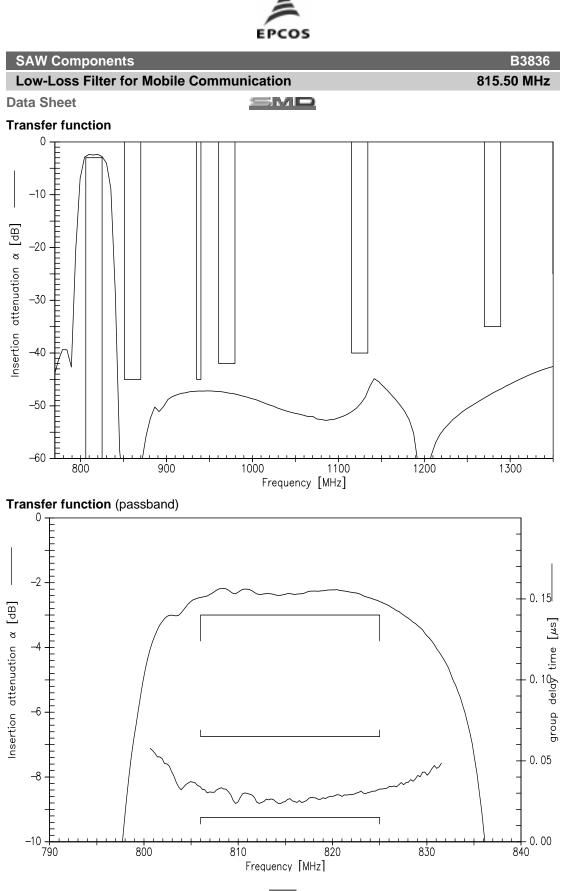


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Low-Loss Filter for Mobile Communication		815.50 MHz
Data Sheet		

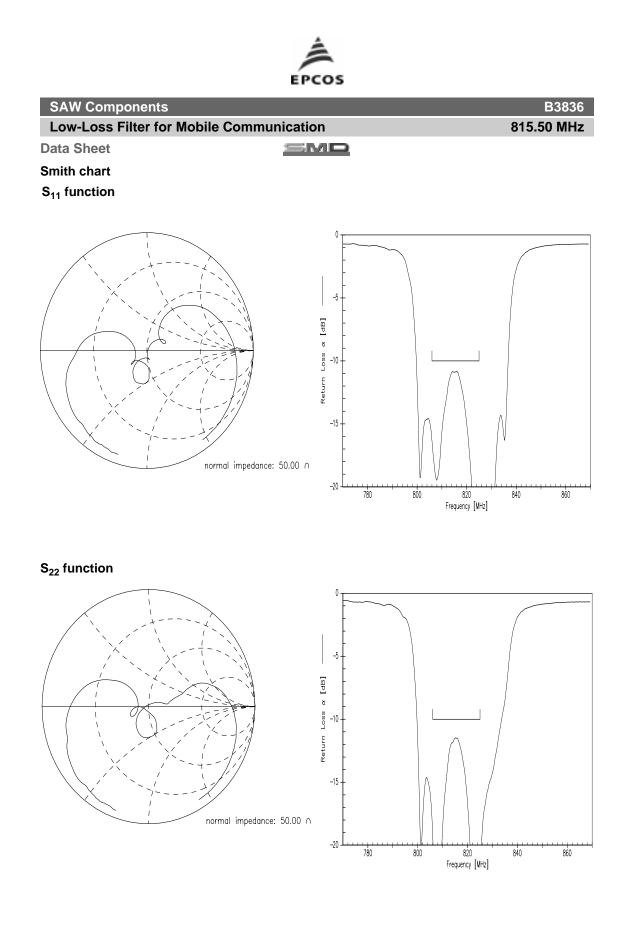
Maximum ratings

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 ¹⁾	V	machine model, 10 pulses
Input Power at iDEN Tx bands	P _{IN}	7	dBm	continuous wave

 $^{1)}\,$ acc. to JESD22-A115A (machine model), 10 negative & 10 positive pulses.



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SAW Components		B3836
Low-Loss Filter for Mobile Communication		815.50 MHz
Data Sheet	SMD	

Туре	B3836	
Ordering code	B39821-B3836-U410	
Marking and Package	C61157-A7-A67	
Packaging	F61074-V8168-Z000	
Date Codes	L_1126	
S-Parameters	B3836_NB.s2p	
	B3836_WB.s2p	
Soldering profile	S_6001	

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

Published by EPCOS AG

Surface Acoustic Wave Components Division

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This brochure replaces the previous edition.

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