

SAW Components

Data Sheet B7733



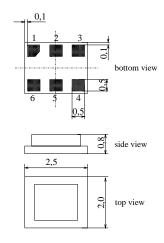


SAW Components		B7733
Low-Loss Filter for Mot	ile Communication	881,5 MHz
Data Sheet	<u>SMD</u>	

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)

Chip Size SAW package DCS6I

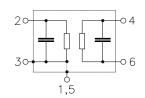


Terminals

Ni, gold-plated

Dimensions in mm, approx. weight 0,014g

Pin configuration				
2	Input			
4	Balanced output			
6	Balanced output			
1,3,5	Ground, to be grounded			



Туре	Ordering code	Marking and Package according to	Packing according to
B7733	B39881-B7733-C610	C61157-A7-A76	F61074-V8153-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

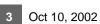
Operable temperature range	Т	– 40 / + 85	°C	
Storage temperature range	T _{stg}	– 40 / + 85	°C	
DC voltage	V _{DC}	5	V	
Input power max.				
	P _{IN}	0	dBm	source impedance 50 Ω
				CDMA signal



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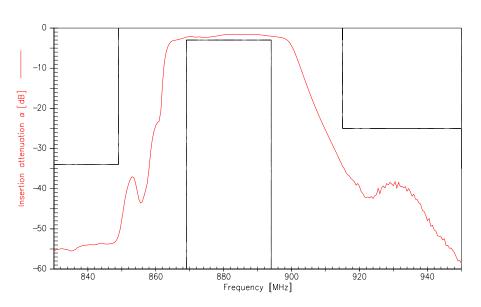


SAW Components						B7733
Low-Loss Filter for Mobile Communication				881	,5 MHz	
Data Sheet		4D				
Characteristics						
Operating temperature range:			o +85 °C			
Terminating source impedance:			(unbalance			
Terminating load impedance:	Z_{L}	= 100 9	Ω (balance)	d)		
			min.	typ.	max.	
Center frequency		f _C		881,5	—	MHz
Maximum insertion attenuation		α_{max}				
869,0 894,0	MHz	max		2,7	3,0	dB
Amplitude ripple (p-p)		Δα				
869,0 894,0	MHz		_	1,2	1,5	dB
Input VSWR						
869,0 894,0	MHz		_	2,0	2,1	
Output VSWR						
869,0 894,0	MHz		_	2,0	2,1	
Output amplitude imbalance (S ₃₁ /S ₂₁)						
869,0 894,0	MHz		-1,5	—	2,0	dB
Output phase imbalance $(\phi(S_{31})-\phi(S_{21})+180^{\circ})$						
869,0 894,0			-5,0	_	7,0	degree
Attenuation		α				
0,0 824,0	MHz		46,0	53,0		dB
824,0 849,0	MHz		34,0	41,0	_	dB
915,01000,0	MHz		25,0	30,0	—	dB
1000,02000,0	MHz		35,0	47,0	—	dB
2000,03000,0	MHz		30,0	40,0	—	dB

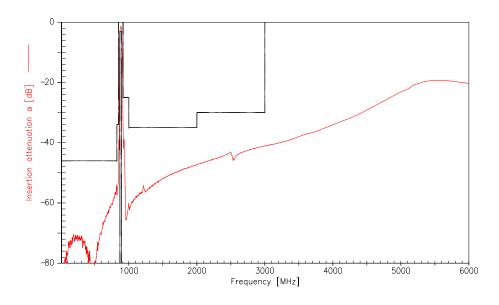




Transfer function

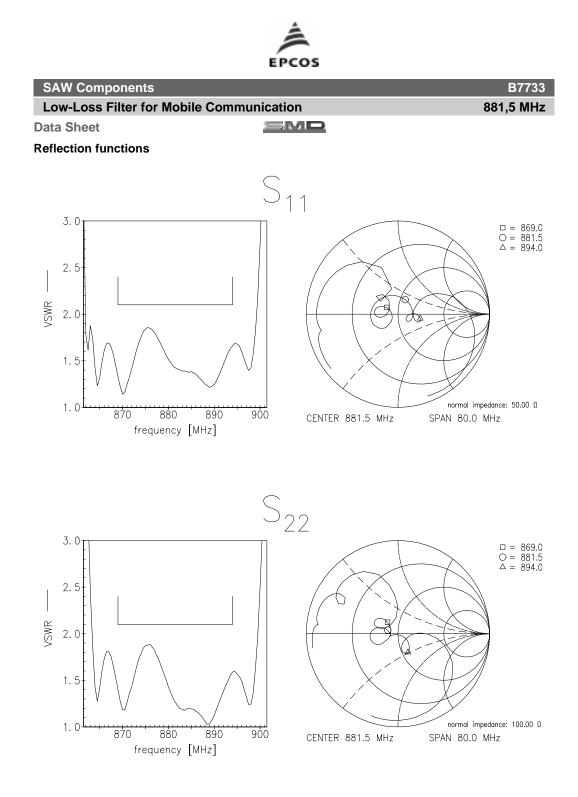


Transfer function (wideband)



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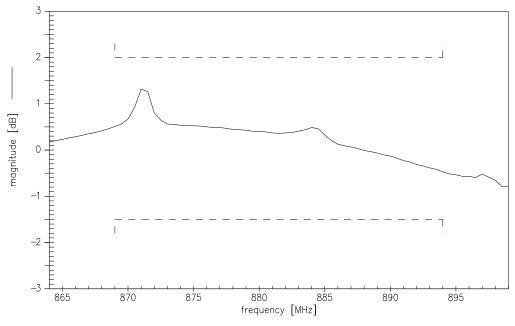


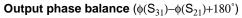
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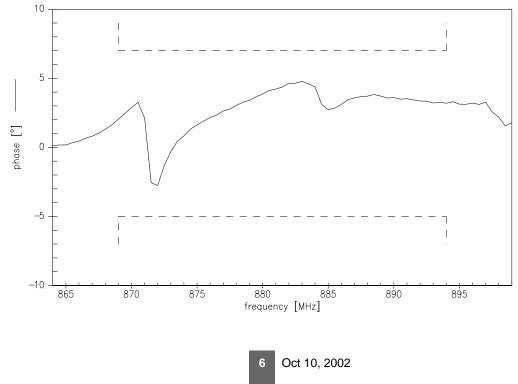
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Output amplitude balance ($|S_{31}/S_{21}|$)







	ÉPCOS	
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Data Sheet	SMD	

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

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