



# SAW Filters for Mobile Communications

## Series/Type: **B7848**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39861B7848C710		2010-01-15	2010-04-30	2010-07-30

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at [www.epcos.com/sales](http://www.epcos.com/sales).

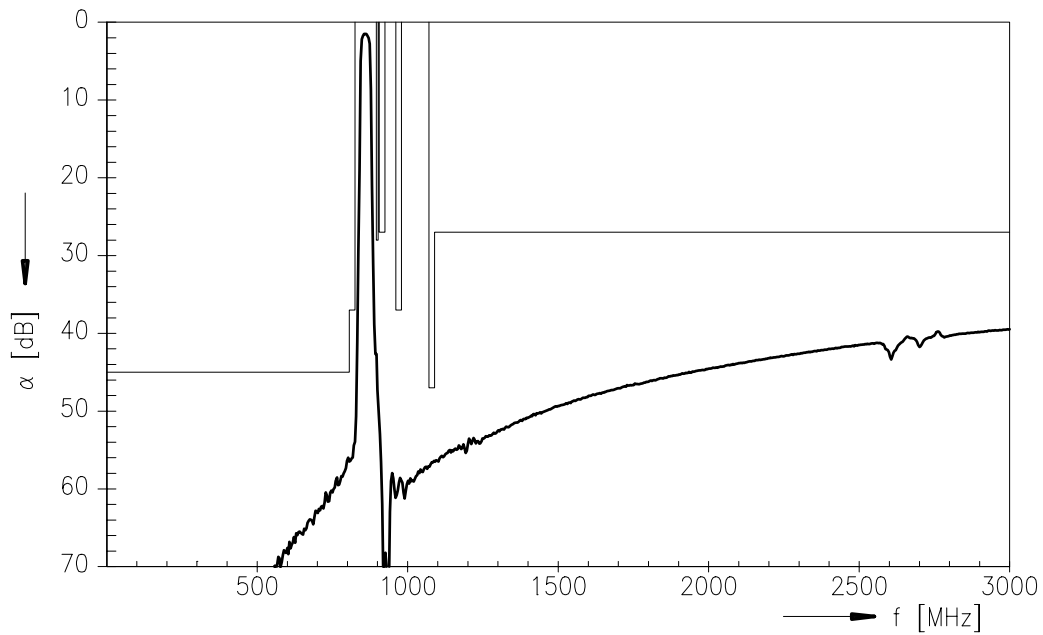
**Data Sheet**
**Characteristics**

Operating temperature range:  $T = -30$  to  $+70$  °C  
 Terminating source impedance:  $Z_S = 50 \Omega$   
 Terminating load impedance:  $Z_L = 50 \Omega$

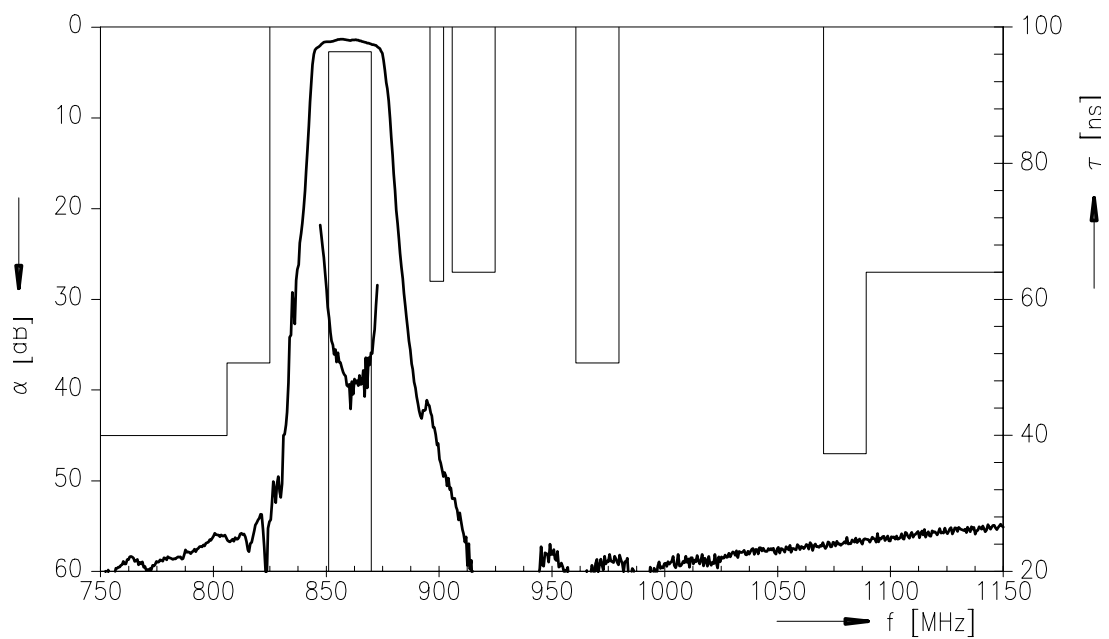
		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Nominal frequency</b>	$f_N$	—	860,5	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{max}$				
851,0 ... 870,0 MHz		—	2,2	3,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
851,0 ... 870,0 MHz		—	0,6	1,0	dB
<b>Group delay ripple (p-p)</b>	$\Delta\tau$				
851,0 ... 870,0 MHz		—	30	60	ns
<b>Return loss (Input and Output)</b>					
851,0 ... 870,0 MHz		11	13	—	dB
<b>Attenuation</b>	$\alpha$				
0,100... 806,000 MHz		45	55	—	dB
806,000... 825,000 MHz		37	51	—	dB
896,000... 902,000 MHz		28	42	—	dB
905,825... 924,825 MHz		27	51	—	dB
960,650... 979,650 MHz		37	57	—	dB
1070,300...1089,300 MHz		47	55	—	dB
1089,300... 3000,000 MHz		27	39	—	dB

Data Sheet

Transfer function



Transfer function (pass band)



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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.