

# SAW Components

Data Sheet B3607





SAW Components	B3607
Low-Loss Filter	140,00 MHz
Data Sheet	

#### Ceramic package QCC12

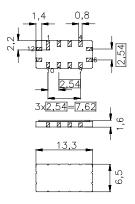
## • High performance IF bandpass filter

- Constant group delay
- Hermetically sealed ceramic package

#### Terminals

Features

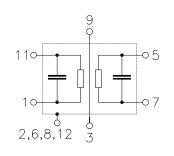
Gold plated



## Dimensions in mm, approx. weight 0,4 g

# Pin configuration

11	Input
1	Input - ground
5	Output
7	Output - ground
2, 6, 8, 12	Case - ground
3, 9	Shield - ground
4, 10	To be grounded



Туре	Ordering code	Marking and Package according to	Packing according to
B3607	B39141-B3607-Z510	C61157-A7-A55	F61074-V8163-Z000

Electrostatic Sensitive Device (ESD)

#### Maximum ratings

Operable temperature range	Т	- 40/+ 85	°C	
Storage temperature range	T <sub>stq</sub>	- 40/+ 85	°C	
DC voltage	$V_{\rm DC}$	0	V	
Source power	$P_{\rm s}^{\rm T}$	10	dBm	source impedance 50 $\Omega$

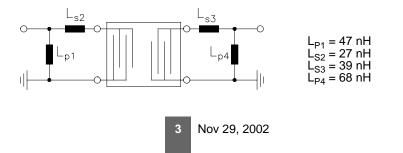
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SAW Components	;				E	33607
Low-Loss Filter					140,00	) MHz
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Characteristics						
Operating temperatur Terminating source ir Terminating load imp Group delay aperture	npedance: edance:		2 and match 2 and match			
			min.	typ.	max.	
Center frequency		f <sub>C</sub>	139,75	140,00	140,25	MHz
(Center between 6dB	points)					
Insertion attenuation	<b>n</b> at f <sub>C</sub>	$\alpha_{C}$	_	6,0	7,5	dB
Amplitude ripple (p-	n)	Δα				
	137,50 142,50 N		_	0,7	1,0	dB
	- , ,			- ,	7 -	
Phase ripple (p-p)		$\Delta \phi$				0
	137,50 142,50 N	ЛНz	_	5	10	°
Pass bandwidth						
	$\alpha_{rel} \leq 1 \text{ dB}$	B <sub>1dB</sub>	5,8	6,1	_	MHz
	$\alpha_{rel} \leq 3 \text{ dB}$	B <sub>3dB</sub>	6,9	7,1	_	MHz
	$\alpha_{rel} \le 40 \text{ dB}$	B <sub>40dB</sub>	_	10,5	11,1	MHz
Deletive ettenuetion	(relative to er.)					
Relative attenuation	100,00 134,00 N	α <sub>rel</sub> /Hz	40	47		dB
	146,00 180,00 N		40	46	_	dB
<b>Group delay</b> at $f_{C}$		$\tau_{C}$	_	1,35	—	μs
	,					
Group delay ripple (		Δτ 147		80	150	nc
	137,50 142,50 N			80	150	ns nsm/k
Temperature coeffic	elent of frequency	$TC_{f}$	_	- 01		ppm/k

## Matching circuit:

Note: Component values depend upon PCB layout

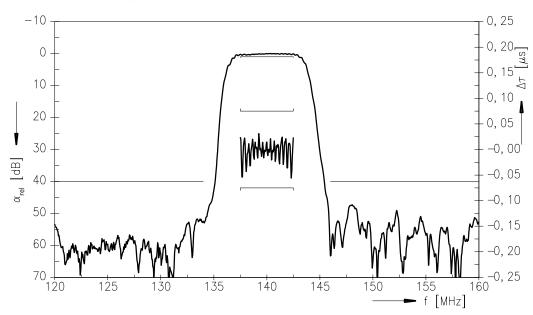




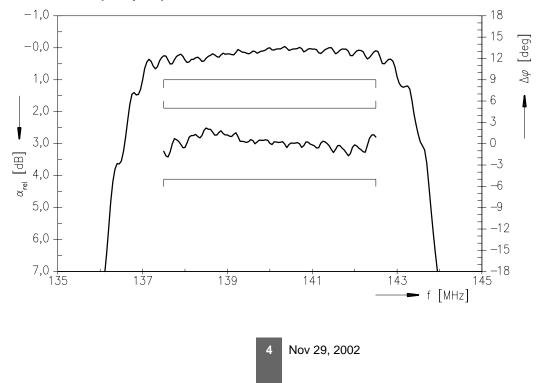
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Normalized frequency response



Normalized frequency response





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Attachment	

1) Pyroelectric pulse amplitude < 50 mV.





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

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Nov 29, 2002