

SAW Components

Data Sheet B3607





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

Ceramic package QCC12

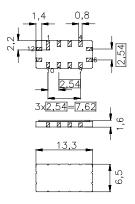
• High performance IF bandpass filter

- Constant group delay
- Hermetically sealed ceramic package

Terminals

Features

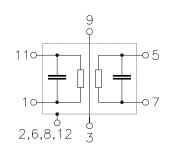
Gold plated



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 _{stq}	- 40/+ 85	°C	
DC voltage	$V_{\rm DC}$	0	V	
Source power	$P_{\rm s}^{\rm T}$	10	dBm	source impedance 50 Ω

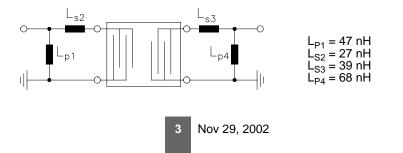
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SAW Components	;				E	33607
Low-Loss Filter					140,00) MHz
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Characteristics						
Operating temperatur Terminating source ir Terminating load imp Group delay aperture	npedance: edance:		2 and match 2 and match			
			min.	typ.	max.	
Center frequency		f _C	139,75	140,00	140,25	MHz
(Center between 6dB	points)					
Insertion attenuation	n at f _C	α_{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 _{1dB}	5,8	6,1	_	MHz
	$\alpha_{rel} \leq 3 \text{ dB}$	B _{3dB}	6,9	7,1	_	MHz
	$\alpha_{rel} \le 40 \text{ dB}$	B _{40dB}	_	10,5	11,1	MHz
Deletive ettenuetion	(relative to er.)					
Relative attenuation	100,00 134,00 N	α _{rel} /Hz	40	47		dB
	146,00 180,00 N		40	46	_	dB
Group delay at f_{C}		τ_{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

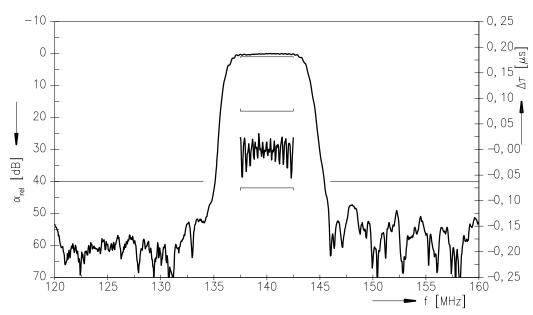




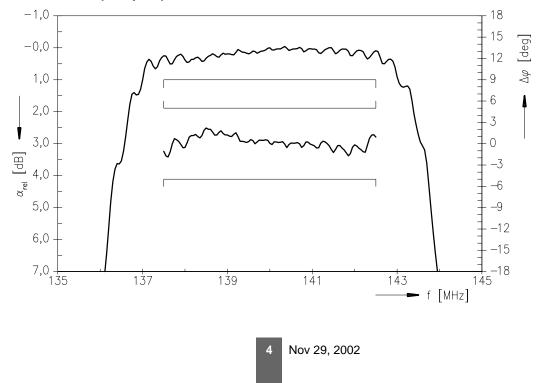
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Normalized frequency response



Normalized frequency response





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Attachment	

1) Pyroelectric pulse amplitude < 50 mV.





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This brochure replaces the previous edition.

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