

SAW Components

Data Sheet B1605





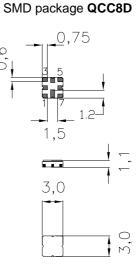
SAW Components		B1605
Low-Loss Filter for Digita	I Television	1220,0 MHz
Data Sheet	<u>smd</u>	

Features

- Low loss RF filter for dual conversion
- Usable passband 28 MHz
- No matching network required for operation at 200 Ω
- Balanced to balanced operation
- Low group delay ripple
- Ceramic package for Surface Mounted Technology (SMT)

Terminals

Ni, gold-plated



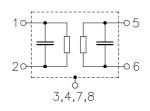
Dimensions in mm, approx. weight 0,037 g

Q

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Pin configuration

-	
1	Input
2	Input
5	Output
6	Output
3,7	To be grounded
4,8	Case ground, to be grounded



Туре	Ordering code	Marking and Package according to	Packing according to
B1605	B39122-B1605-U810	C61157-A7-A72	F61074-V8168-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	Т	-40/+85	°C	
Storage temperature range	T _{stg}	-40/+85	°C	
DC voltage	$V_{\rm DC}$	0	V	
Source power	Ps	0	dBm	source and load impedance 200 $\boldsymbol{\Omega}$

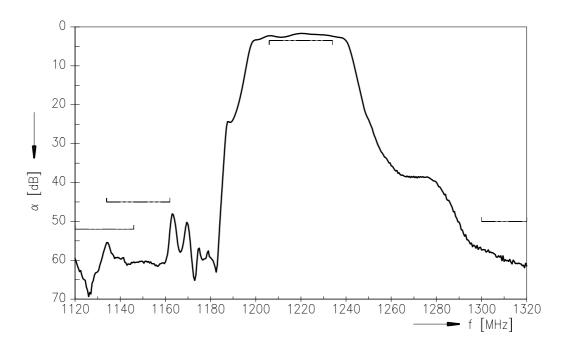
Aug 19, 2003

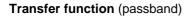


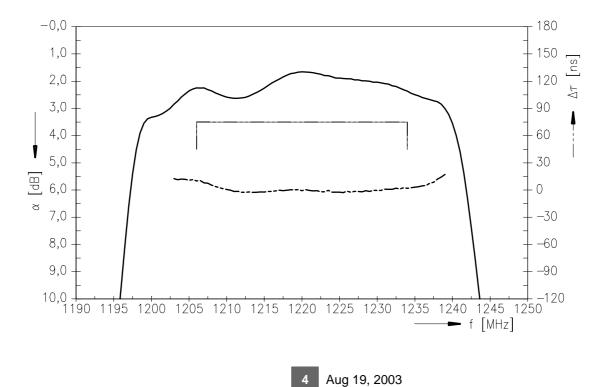
SAW Components					B1605
Low-Loss Filter for Digital Television				1220	,0 MHz
Data Sheet Sheet					
Characteristics					
Operating temperature range: $T = +25 \ ^{\circ}C \dots +85 \ ^{\circ}C$ Terminating source impedance: $Z_{\rm S} = 200 \ \Omega$ Terminating load impedance: $Z_{\rm L} = 200 \ \Omega$					
		min.	typ.	max.	
Nominal frequency	f _N		1220,0		MHz
Maximum insertion attenuation 1206,00 1234,00 MHz	α_{max}	_	2,6	3,5	dB
Amplitude ripple in passband (p-p) 1206,00 1234,00 MHz	Δα	_	1,1	1,3	dB
Amplitude ripple in any 8 MHz band (p-p) 1206,00 1234,00 MHz	Δα		1,0	1,2	dB
Amplitude ripple in any 6 MHz band (p-p) 1206,00 1234,00 MHz	Δα	_	0,9	1,1	dB
Attenuation 500,001118,00 MHz 1118,001146,00 MHz 1134,001162,00 MHz 1300,00 2000,00 MHz	α	52,0 52,0 45,0 50,0	62,0 56,0 48,0 56,0	 	dB dB dB dB
Group delay ripple (p-p) 1206,00 1234,00 MHz	Δτ		14		ns



Transfer function



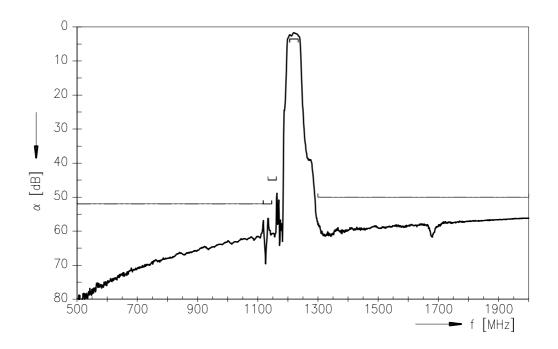






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Transfer function (wideband)





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