

SAW Components

Data Sheet B1610





SAW Components	B1610
Low-Loss Filter	1220,00 MHz

Data Sheet

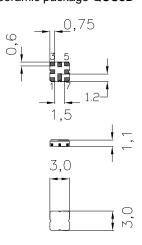
SMD ceramic package QCC8D

Features

- Low loss RF filter for dual conversion
- Usable passband 8 MHz
- No matching network required for operation at 200 Ω
- Balanced to balanced operation
- Low group delay ripple
- Package for **S**urface **M**ounted Technology (SMT)

Terminals

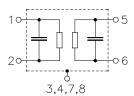
■ Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

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



Туре	Ordering code	Marking and Package according to	Packing according to		
B1610	B39122-B1610-U810	C61157-A7-A72	F61074-V8168-Z000		

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	-40/+85	°C	
Storage temperature range	$T_{\rm stg}$	-40/+85	°C	
DC voltage	V_{DC}	0	V	
Source power	P_{S}	0	dBm	source and load impedance 200 Ω



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Characteristics

Operating temperature range: $T = -40 \,^{\circ}\text{C} \dots +85 \,^{\circ}\text{C}$

Terminating source impedance: $Z_{\rm S} = 200~\Omega$ Terminating load impedance: $Z_{\rm L} = 200~\Omega$

		min.	typ.	max.	
Nominal frequency	f_{N}	_	1220,00	_	MHz
	α_{max}				
Maximum insertion attenuation					
1216,00 1224,00 MHz		_	3,6	4,2	dB
Amplitude ripple in passband (p-p)					
1216,00 1224,00 MHz			0,6	1,2	dB
1210,00 1221,00 14112			0,0	1,2	
Attenuation	α				
500,00 f _N -91,00 MHz		58,0	62,0	_	dB
f _N -91,00 f _N -85,00 MHz		58,0	62,0	_	dB
f _N -76,00 f _N -68,00 MHz		56,0	60,0	_	dB
f _N -88,00 MHz		58,0	62,0	_	dB
f _N -72,00 MHz		56,0	60,0	_	dB
f _N -44,00 MHz		46,0	54,0	_	dB
f _N -36,00 MHz		42,0	44,0	_	dB
f _N +70,00 2000,00 MHz		56,0	62,0		dB
1 _N . 7 0,000 2000,000 WH12		00,0	02,0		
Group delay ripple (p-p)					
1216,00 1224,00 MHz		_	15	_	ns



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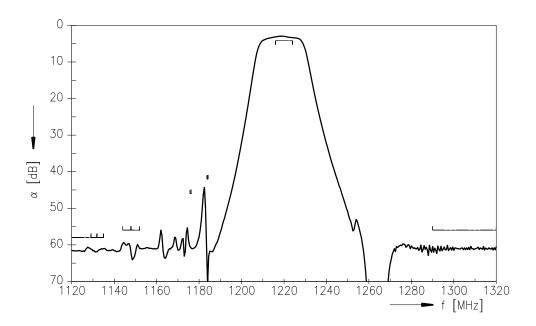
Low-Loss Filter

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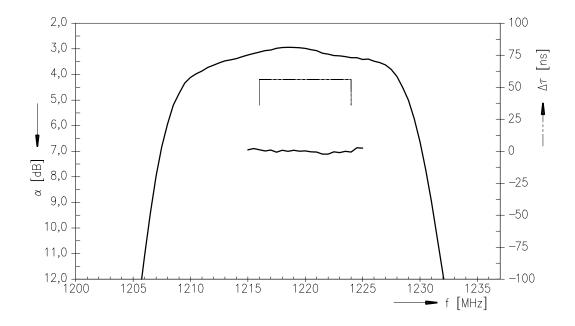
B1610

1220,00 MHz

Transfer function



Transfer function (passband)



Jul 03, 2003



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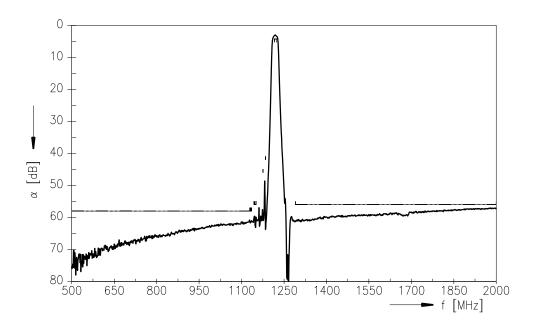
Low-Loss Filter

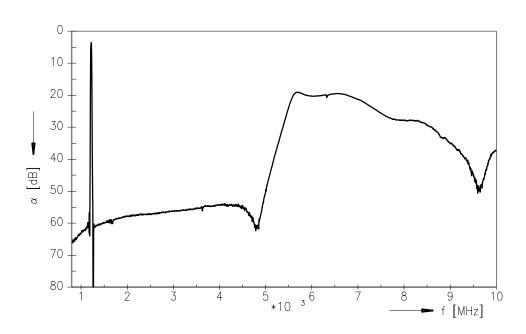
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1220,00 MHz

Transfer function (wideband)





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SAW Components B1610 **Low-Loss Filter** 1220,00 MHz \equiv MD

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