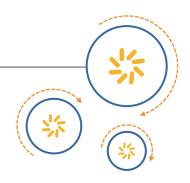


RF360 Europe GmbH

A Qualcomm - TDK Joint Venture



SAW Components

Low-Loss Filter

Data Sheet B1610

Series/type: B1610

Ordering code:

Date: Jul 03, 2003

Version:

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SAW Components

Data Sheet B1610

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SAW Components B1610
Low-Loss Filter 1220,00 MHz

Data Sheet



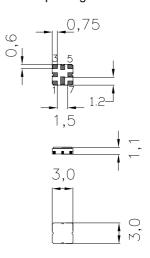
SMD ceramic package QCC8D

Features

- Low loss RF filter for dual conversion
- Usable passband 8 MHz
- \blacksquare No matching network required for operation at 200 Ω
- Balanced to balanced operation
- Low group delay ripple
- Package for Surface Mounted Technology (SMT)

Terminals

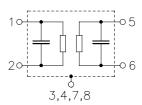
■ Ni, gold-plated



Dimensions in mm, approx. weight 0,037 g

Pin configuration

1	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	$T_{ m stg}$	-40/+85	°C	
DC voltage	V_{DC}	0	V	
Source power	P_{S}	0	dBm	source and load impedance 200 Ω



SAW Components B1610

Low-Loss Filter 1220,00 MHz

Data Sheet

Characteristics

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

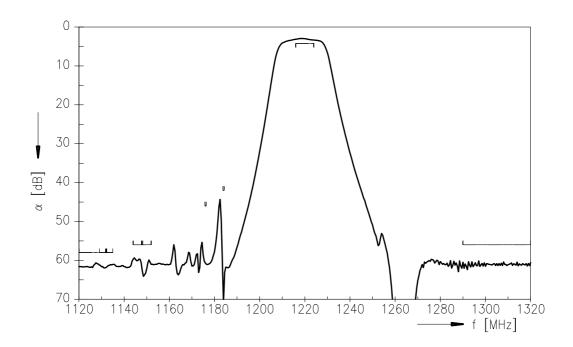
Terminating source impedance: $Z_{\rm S} = 200~\Omega$ Terminating load impedance: $Z_{\rm L} = 200~\Omega$

		min.	typ.	max.	
Nominal frequency	f_{N}	_	1220,00	_	MHz
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
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 .70.00 2000.00 MU-		FC 0	60.0		٩D
f _N +70,00 2000,00 MHz		56,0	62,0	_	dB
One on delete dende (c. c.)	Δτ				
Group delay ripple (p-p)					
1216,00 1224,00 MHz		_	15	_	ns

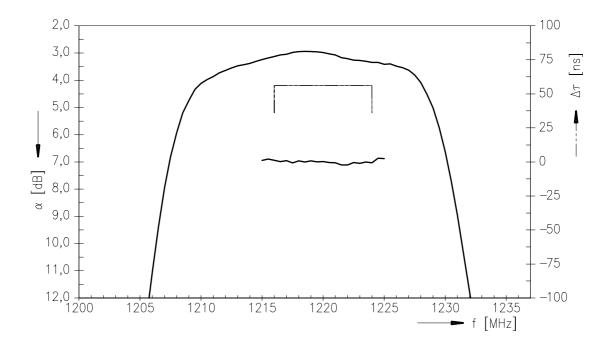




Transfer function



Transfer function (passband)

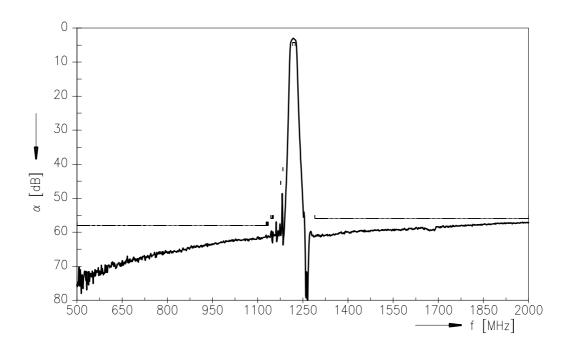


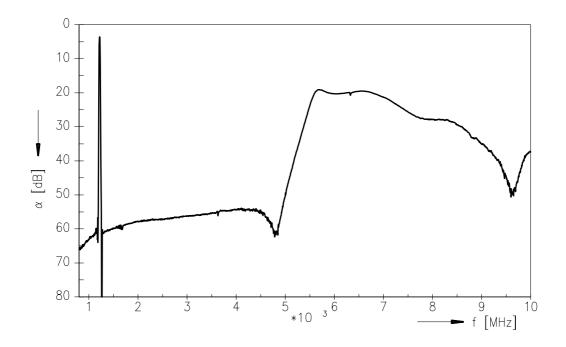


SAW Components B1610
Low-Loss Filter 1220,00 MHz

Data Sheet

Transfer function (wideband)







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Low-Loss Filter 1220,00 MHz

Data Sheet

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